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# THE CHEMIST & DRUGGIST SUPPLEMENT.

SATURDAY, JULY 3 1897.

Businesses for Disposal  
Businesses Wanted  
Premises to Let  
Auction Sales

ALSO EXCHANGE COLUMN.  
For Bargains see last page of this Supplement.

Partnerships  
Situations Vacant  
Situations Wanted  
Miscellaneous

THE CIRCULATION OF THE SUPPLEMENT THIS WEEK EXCEEDS 14,000.

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

## CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

**VENDORS** have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.

**PURCHASERS** are invited to forward a statement of their requirements, which will be notified in a register free of charge.

**VALUATIONS** having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

1.—£650.—**LONDON, N.W.**—Dispensing and Retail Business, established many years; returns about £650, without the attention of the principal; *profit about one-third*; the shop is well stocked; excellent fittings, and good house; price about £550; full investigation permitted.

2.—£1,200.—**LONDON (N.W. District)**.—Dispensing and Retail Business; very good class; returns £1,200 yearly, *with good profit*; the house is convenient, on lease; price about £900.

3.—£1,000.—**LONDON, W.** (First-class Locality).—Dispensing and Retail, situated in one of the best residential localities; returns average about £1,000; very handsome shop and good stock; very good house; purchaser must be prepared to invest about £1,400; reference required.

4.—£1,000.—**LONDON (Suburban)**.—Good-class Business, with well-fitted shop and excellent stock; returns £1,000, increasing; comfortable house and garden attached; the business admits of considerable extension; about £800 required.

5.—£350.—**LONDON (South)**.—Dispensing, Retail, and Prescribing Business, situated in a thickly-populated locality; present returns £350; vendor having other engagements is unable to fully develop the business; there is, therefore, great scope for extension; a reasonable offer will not be refused.

6.—£350.—**LONDON, S.E.**.—Prescribing and Light Retail; entirely managed by an Assistant; returns between £300 and £350 yearly; can easily be extended by an energetic man; very convenient house with garden; rent low, on lease; price about £250.

7.—£800.—**LONDON SUBURB (Essex)**.—Good-class Business, situated in a good locality for business; returns over £800 yearly; well fitted shop and exceptionally good stock; good-sized house, with small garden attached; very moderate rental on lease; price about £750; fullest investigation wanted.

Particulars of any of the above

**N.B.—NO CHARGE TO PURCHASERS.**

TERMS FOR VALUATION ON APPLIATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.  
Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

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## APPRENTICESHIPS.

**M**ANUFACTURING Chemists.—A vacancy now occurs for an Apprentice in the Wholesale, affording an excellent opportunity for a youth about to enter the trade. Apply, by letter, to 174/30, c/o Deacon's, Leadenhall Street, E.C.

## TO LET.

**I**PSWICH.—Shop with house, in prominent position, at Ipswich, to be Let; good opening for a Chemist commencing. Apply to A. Sandbach, Estate Agent, Ipswich.

**T**o Let, Chemist's Shop, with house, in large village; good agricultural centre; been in same hands 30 years; good opening. Apply to S. E. P., c/o Lord & Co., Grantham.

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**A**PARTMENTS for Minor Student; every facility for practical work; easy access to schools. Brown, 98 Ormside Street, Old Kent Road, S.E.

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£940 returns.—**DEVON.**—Light Retail, in principal street of fashionable seaside resort ; well suited for up-to-date trade ; price £550.

£600 returns.—**STAFFS.**—Death Vacancy.—Light Retail, in main street of busy town ; pushman would do well ; price about £500.

£1,500 returns.—**POTTERIES.**—Usual Retail for the district, with local Wholesale ; good introduction given ; price about £900.

£740 returns.—**CUMBERLAND.**—General Retail, in busy town ; price about £500.

**WHOLESALE.**—**LANCASHIRE.**—Old-established Business, having a large proportion of own Preparations, Patents, and Packed Goods ; in thorough working order, and yielding a net profit of about £600 per annum ; price of goodwill, plant, fixtures, patents, trade marks, &c., &c., £700, and stock at valuation, about £1,200, or, if desired, valuation of the whole could be arranged and a third remain on security ; applicants must enclose references.

£900 returns.—**BEDS.**—Good class Country retail, with no Stores near ; short hours and no Sunday duty ; excellent residence and premises, with large garden ; net profit about £300 ; price £750.

£1,600 returns.—**S. WALES.**—General old-established Mixed Retail for sale in consequence of failing health of vendor ; energetic man would find in this ample scope for increase ; net profit about £450 ; price about £1,200.

£1,200 returns.—**LINCOLNSHIRE.**—Fine shop in good position of large town ; good-class trade ; vendor retiring ; price about £850.

£700 returns.—**LEICESTER.**—Good medium-class Retail ; well-fitted shop ; business capable of considerable increase ; price £350, value of stock and fixtures.

£600 returns.—**BERKS.**—Good-class Light Retail in pretty locality ; good house, yard, and garden ; there is also appointment, besides the returns given, producing £100 per annum ; price £600.

Vendors of good businesses can be at once supplied with buyers by F. J. BRETT.

### VALUATIONS.

F. J. BRETT has been well known for many years throughout England and Wales as a reliable Valuer, and his extensive experience in all branches of the trade renders his services equally valuable to Vendors and Buyers.

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## CHEMISTS' TRANSFER AGENTS AND VALUERS,

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Established 1870.

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2.—**HAMPSHIRE.**—Through serious illness ; opened 6 months ; excellent position in High Street of important town ; owner being ordered entire rest, will accept valuation of stock and fixtures, about £225.

3.—**WILTSHIRE.**—Small market town ; Light Retail and Prescribing Business ; returns £8 weekly, capable of considerable increase ; rent £25, good house ; well fitted and stocked ; price £275.

4.—**DORSET.**—Light Retail, Dispensing, and Prescribing Business ; returns £1,100 under management ; rent £45 ; 21 years' lease : good house and garden ; same hands 28 years ; price £900.

5.—**WORCESTERSHIRE.**—Light Retail and Prescribing Business ; returns £950, profits about 40 per cent. ; rent £30 ; convenient house, with garden ; well-fitted shop, and well-stocked ; price £525 ; well recommended.

6.—**ESSEX.**—Main line of rail, 15 miles from London ; unopposed ; population 4,000 ; Retail and Prescribing trade ; returns £500 under management ; rent under £20 ; price £360.

7.—**YARMOUTH.**—Retail, Dispensing, and Prescribing Business ; returns £720, can be doubled ; best position in the town ; low rent ; valuable lease ; price £550, or valuation of stock and fixtures.

8.—**LONDON. W. (Few Miles Out).**—Light Retail, Dispensing, and Prescribing Business ; returns £1,150 ; net profit £425 ; rent £50 ; good house ; shop is well fitted and heavily stocked ; price £900.

9.—**LONDON. N.**—Good-class Light Retail and Dispensing Business ; returns £700 ; shop is elegantly fitted and well stocked ; capital position ; price £550.

10.—**LONDON. W.**—High-class Dispensing Business ; until recently doing £1,000 ; now doing £600 under management, can do £1,000 again under principal ; solely through illness ; price £400.

Particulars of any of the above and others free on application.

### NOTICE.

Gentlemen doing business through Messrs. Berdoe have the advantage of their 21 years' experience, during which time they have been solely engaged in selling and valuing Chemists' Businesses. All valuations personally conducted.

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**Middlesex.**—Good Retail and Dispensing trade, doing about £1,000 yearly ; price £750 ; good house and handsome pharmacy.

**Midlands (South).**—A good old Country trade, with first-class residence and nice garden ; returns nearly £900 ; net profit about 33 per cent. ; price £750 ; we strongly recommend this as a sound investment.

**Essex.**—Light Retail and Prescribing trade, to which Dentistry might be added with advantage ; returns £950 ; price £800 ; first-rate house.

**London, N.W.**—Retail and Prescribing trade ; returns £450 ; price £250 ; this is a profitable business, and only waits seeing.

**London. W.**—Ready-money Prescribing trade ; returns £400 ; price £200 ; we strongly recommend this as a reliable investment.

**Kent.**—Family trade, now under management through death of late proprietor ; returns £8 weekly ; price £275.

**Home County.**—Good-class Country Business ; returns about £1,300 yearly, at good prices ; excellent premises in centre of market town ; held on lease at a moderate rent ; price £1,000.

**Home County.**—Family trade ; returns £900 ; price £800 ; large and convenient premises, with large garden.

**Crystal Palace District.**—Light Retail and Prescribing trade, under management of an Assistant ; returning £8 weekly ; very profitable ; rent £33 ; corner premises ; price £300 or offer.

**Leicestershire.**—Good-class Country trade ; returns £700 ; very handsome Pharmacy and good house ; rent £60 ; price £550.

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1.—**LONDON. S.W.**—In fashionable and thickly populated neighbourhood, Retail, Dispensing, and Prescribing ; well fitted and stocked ; good house ; returns £500 ; price £200.

2.—**LONDON. SMART SUBURB. E.**—Light Retail and Prescribing ; modern fittings and good house ; returns £550 ; price £450.

3.—**SCOTLAND. N.**—A leading Business at full prices ; price £900.

4.—**HAMPSHIRE.**—Through severe illness ; a handsomely-fitted Pharmacy in commanding position ; price £225, or cash offer.

5.—**REGENT'S PARK.**—Family and Dispensing ; good residence ; returns about £50 ; price £225.

6.—**SEASIDE.**—Returns about £750 ; price £525.

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Chemists' Transfer Agents and Valuers,

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BUSINESSES WANTED.—Thomas Tomlinson & Son, having on their books an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can rely upon being at once with all despatch put into communication with bona-fide buyers without publicity and the annoyance of answering "curiosity" applications. No charge made unless Sale is effected.

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## BUSINESSES FOR DISPOSAL

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**A**BERDEEN.—A neat, well-fitted shop, in one of the best suburbs of Aberdeen; returns between £400 and £500 a year; stocks can be reduced to suit purchaser; valuation. 171/23, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**B**ARROW-IN-FURNESS.—Capital old-established Prescribing and Light Retail; corner, capital stand; seaport. Applications, with reference, to F. 7 Lawson Street, Barrow-in-Furness.

**B**IRMINGHAM.—Immediate disposal; returns over £600 per annum; rent £25 on lease, 3 years to run; estimated profits, including a lucrative proprietary, about £220 per annum; price £500 cash; two last principals acquired a moderate competency. Apply, "Bona-fide," c/o Wyleys Limited, Coventry.

**B**IRMINGHAM (Suburb).—For Disposal at once, owing to failing health, as a going concern, good old-established Business, suburb of Birmingham: Prescribing, Extracting, and Dispensing; valuable Pill Proprietary; low rental; several years' lease to run; lowest cash price £500; no agents; only bona-fide purchasers need apply. "Pills," 25 Frederick Road, Aston, Birmingham.

**B**IRMINGHAM (Suburb).—Old-established (30 years) Chemist's Shop, in suburb of Birmingham; fittings by Treble & Co.; lately valued at £250; to Let or to be Sold for £150, half down, interest on remainder 5 per cent; rent £45; house let off £22; suitable for energetic man who would go in for Drysaltery, for which there is a capital opening. Apply, J. E. P., 2 Himley Villas, Hamstead Rd., Handsworth, Birmingham.

**C**HESHIRE.—For Disposal, a high-class Dispensing Business in a busy town in Cheshire; about 4,000 prescriptions Dispensed annually; returns between £300 and £900; gross profits £450; rent £65; large and commodious house, part of which could be let off; in present hands 30 years; owner retiring. For particulars address J. Guy, Esq., The Mount, Queen's Park, Chester. No agents.

**C**ORNWALL.—£1,000.—In one of the best business towns in Cornwall; established 70 years; large Consulting and Prescribing Chemist's Business, with Dentistry; good Retail; well stocked; capital house and shop, long lease; full working order; valuable proprietary articles; fortune for good business man; no agents; £500 down, £500 in 5 years at 3½ per cent. Sampson Taylor Rowe, Surgeon Dentist and Chemist, Redruth, Cornwall.

**H**OVE, SUSSEX.—For Disposal, genuine Mixed Retail and Prescribing Drug Business in good populous neighbourhood; satisfactory reason for selling; price required, including fittings, stock, &c., £60; double-fronted shop; takings profitable; rent £33 per annum, rates and taxes included. "Statim" (174/25), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**ANCASHIRE HEALTH-RESORT.—Small Dispensing and select Retail Business for Disposal, in central position of main street; offers scope for development on modern lines; terms, valuation, probably about £600. "Nemo" (172/4), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**EDS.—Genuine Business in thickly-populated and increasing neighbourhood; good opening for qualified man; price £160. Further particulars on application to 171/33, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**EICESTER.—Ready-money Light Retail, Prescribing and Teeth-extracting; busy street; can be increased by pushing man; rent £39; fair house; price £120 cash. Full particulars from "Haste," 194 Belgrave Gate, Leicester.

**L**ONDON.—Good-class established Business, in aristocratic quarter, with good connection, for Disposal; main thoroughfare, first-class position; capable of great extension; particulars to bona-fide purchasers only. Address, "Kouniss" (174/40), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**ONDON, N.—Good-class Business for Disposal; splendid position, main road, N. (not Holloway); well fitted and stocked; large modern house with side entrance, well-adapted for letting, stable in rear; price £475, or with soda-water plant, £575. Apply, by letter only, to "Chemist," 100 Park Street, Stoke Newton, N. No agents.

**L**ONDON, S. W.—A small, compact Business for Sale; returns £150: two-thirds profits; increasing neighbourhood; 600 houses to be built shortly; good house and garden. Apply, "Topsy" (173/30), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**ONDON, S. W.—In a rapidly rising neighbourhood, Light Retail, Prescribing, and Dispensing Business, including profitable proprietary; also Dental connection; established 25 years; returns (increasing) nearly £500 a year; rent £30; to be disposed of immediately on account of ill-health; price £350, or reasonable offer accepted. "Measam" (171/24), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**ONDON.—Chemist's Business for Sale, with Lease, in London, in consequence of illness of owner; net yearly profits about £500; capital required, between £3,000 and £4,000. Apply by letter to J. H. Mote & Son, 11 Gray's Inn Square, W.C.

**L**ONDON (10 miles from).—Light Retail and Dispensing Business for Sale; returns nearly £700; net profit £250; well-fitted shop, heavily stocked; large house, rent £65; genuine business, open to full investigation; price about £650. "Quinine" (168/5), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**ONDON.—Chemist's Business for Sale, with lease (about 20 years), in London, in consequence of illness of owner; turnover over £2,500; net yearly profits about £800; part purchase-money might remain on mortgage. Further particulars, J. H. Mote & Son, 11 Gray's Inn Square, W.C.

**L**ONDON (Suburb).—In well-to-do London suburb, main road, a select Dispensing and Retail Business; beautifully-fitted shop, well stocked; large house, side entrance, small garden; returns approach £1,000, increasing; £860 or offer; will bear close investigation; references required. S. K. G. (171/2), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M**ANCHESTER.—A small Business in Rochdale Road; Light Retail and Prescribing. Apply, C. G. Breadner, Chemist, Cheetham.

**M**ANCHESTER (within 20 miles of).—Old-established Light Retail, Dispensing, and Prescribing Business; in present hands 17 years; rent £35; good house; modern shop, newly fitted and heavily stocked; returns £640; price £500, or offer; sole cause of sale, purchased large business South of England. "Lances" (174/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M**IDLANDS (few miles from Birmingham).—A Light Retail and Prescribing Business, with Seeds and Stationery: returns £1,000; net profit £250; low rent on lease; good house; price £550; stock and fixtures worth £500; bona-fide buyer can come and see trade being done; every investigation courted. "Sodium" (170/17), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M**IDLANDS.—A first-class fitted corner Shop in thickly populated suburb of Birmingham; main thoroughfare; good house and garden; suit beginner very well; exceptional opening for Extractor; returns about £350, increasing; every investigation; price cash £250; should be seen to be appreciated; in the best of condition; rent £52, let off £26 readily, and still plenty of room. Apply "Jackson" (167/30), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M**ORLEY, YORKS.—Genuine Retail and Prescribing Business for immediate disposal in the very centre of this thriving town; returns £550 under unqualified manager; very profitable; 25 good proprietaries; price £350; rare opportunity for a qualified man and a splendid opening for Dentistry. Address, "Chemicus," Morley.

**N**ORFOLK.—An offer wanted for an old-established Business in principal thoroughfare of town on the Norfolk coast; season about to commence. For particulars apply, "Antipyrine" (173/31), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**S**OMERSET.—Pleasant town; 2,000; widower giving up business small; suitable for a store; house or furniture may be sold; Nonconformist or temperance man preferred; vendor could help with house-keeper or otherwise; no agents; all particulars l.d. stamp. E. T. Carrington, 28 Ashbrooke Road, Upper Holloway, London, N.

**S**OUTH COAST.—Best thoroughfare in important and improving town; high-class old-established Dispensing Business, capable of great improvement; good profits; returns £600. E. J. Allen, Herring & Co., Aldersgate Street, London.

**S**OUTH COAST.—High-class Light Retail and Dispensing Business, changed hands once in 60 years; returns £1,300; net profit over £600; excellent position, facing sea and pier; fixtures elegant and stock heavy; price £1,800; capable of extension, being practically under management; principals only. 170/16, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**S**OUTH WALES.—Light Retail, Dispensing, and Prescribing Business in rapidly-developing seaport town in South Wales; handsome shop, fine window, nice house, large stock, low rent, long lease, best position; returns £1,000; net profit £400; one Proprietary more than clears rent, rates, gas, and errand-boy; vendor, desirous of retiring, will accept very reasonable price; every investigation invited and trial allowed. "Genuine" (168/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**S**TOKE-ON-TRENT.—Genuine Cash Business; main thoroughfare; good position; long lease; good living accommodation; rent £36 per annum; price £450; full particulars to bona-fide buyers. Address "Drugs" (172/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**W**EST YORKSHIRE.—£1,000; good-class Family Retail, Dispensing, and Prescribing Business, with Wine and Spirits; well stocked; best position; returns about £1,200; town increasing rapidly; good money district. "Yorks" (167/23), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**Y**ORKSHIRE.—For Disposal, old-established Chemist's Business; owner retiring; in present hands since 1851, and previous proprietor's 25 years: situate in the busiest thoroughfare of the Borough; frontage over 18 feet; depth above 90 feet; lease may be had; several valuable specialities; incoming reduced to under £250. Robinson, Dewsbury.

**Y**ORKSHIRE.—For Disposal, Light Retail and Prescribing Business, in populous neighbourhood of large manufacturing town; with energetic management sure to make a splendid business; newly fitted, modern style, with polished American walnut throughout; a large and first-class looking shop; proprietor taking other line of trade; rent (shop and house) £35; price about £500 (in stock, fixtures, &c.). Apply, in first instance, G. (168/3), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**A**NYONE desirous of obtaining a Business showing a profit of about £400 per annum, with no other Chemist within 4 miles, can have particulars from "Phenacetin" (172/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**G**OOD-CLASS old-established Business, in remarkably healthy country market town, in South Wales; large beautifully-fitted convenient shop, well stocked; takings about £5 a week under indifferent management; could be easily doubled by sociable Churchman; splendid opening for Dentistry; small Dispensing appointment, introduction given; large convenient house with garden and viney; rent £35; delightful neighbourhood, fishing, shooting, &c.; price less than valuation. Apply, Peake & Co., Chemists, 1 Bridewell Street, Bristol.

**L**IIGHT Retail, Dispensing, and Prescribing; well stocked; several good Proprietaries; returns average between £600 and £700 a year; capital house, good repair; rent £70, on lease; proprietor wishing to sell quickly, first reasonable offer will be accepted. W. C., Messrs. Evans, Lescher & Webb, Bartholomew Close, E.C.

## BUSINESSES FOR DISPOSAL

(cont.).

**O**N easy terms to a qualified man well up in country trade (Prescribing and Extracting), a thoroughly genuine, well-established Business; good all-round prices; practically unopposed; no extreme cutting; good house; cash required, about £350; average net profits, £250; north-west county. "Gama" (172/5), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**S**MALL Business, nicely fitted and well stocked, in important main road; under management; has been much neglected; for immediate cash purchaser will sell for stock and fixtures at valuation; 13 years of lease to run. Apply, 174/20, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**£200.** —Less than value of stock and fixtures; genuine bargain; old-established Business in main thoroughfare; under management; satisfactory reason for disposal. Apply, Hughes, 121 Fulham Palace Road, W.

**£55.** —Chemist's Business for Sale; established 1880; Prescribing and Light Retail; returns £5 10s. weekly; rent £33; good house, side entrance, 6 rooms; good prescribing neighbourhood, formerly open surgery; fixtures belong to landlord; lease; stamp for particulars. "Prescriber" (174/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

## RETAIL.

**A**BERDARE.—Wanted, at once, an Improver or Junior Assistant, for General Mixed business; one able to speak Welsh preferred. Apply, stating age, salary, reference, and experience, to W. J. Thomas, Chemist, Aberdare.

**A**LDERSHOT.—Junior or Improver, immediately, in good-class business. State age, height, salary, enclosing carte, Allen & Lloyd, Aldershot.

**A**LTRINCHAM.—There will be a vacancy shortly for a smart, active Junior, outdoors, about 19, for a Light Retail and Dispensing business; must be quick and reliable, and a good Counterman. Address, stating age, experience, references, and salary required (with photo), to E. Hughes, Chemist, Altrincham, Cheshire.

**B**EDFORD.—Assistant, accustomed to good-class Retail and Dispensing business. Apply, stating height, age, salary required, and when disengaged, to John Ekins, Chemist, 97 High Street, Bedford.

**B**EDFORD.—Wanted, competent qualified Dispenser for first-class private practice; must give thoroughly good references as to character and experience. State salary required and when disengaged; send carte. "Surgeons," c/o Anthony & Son, Bedford.

**B**IRMINGHAM.—Lady Dispenser wanted, for the Birmingham and Midland Hospital for Skin and Urinary Diseases, a chief Assistant Dispenser with Minor qualification; particulars of duties can be obtained from Miss Britannia at the hospital. Applications stating age and salary required, with testimonials, to be sent in to the Honorary Secretary, J. E. Hartley, Esq., 13 St. Paul's Square, not later than July 5.

**B**IRMINGHAM.—Junior for Mixed business; outdoors. State age, references, salary required, and when disengaged, to T. Johnson, Chemist, Ladypool Road, Birmingham.

**B**LACKPOOL.—Wanted, at once, a gentlemanly Assistant; qualified; neat Dispenser and good Counterman. Apply, with full particulars and photo, to Wilkinson, Chemist, Blackpool. Applications not answered in three days respectfully declined.

**B**RIDLINGTON QUAY.—Seaside; early in July, for the season, an active Junior; indoors; good home; brisk Retail and Dispensing; some knowledge of Photography preferred; must be well recommended. Enclose photo (to be returned) with full particulars as to age, height, salary, experience, &c., to Mainprize, Central Pharmacy, Bridlington Quay.

**B**RIGHTON.—Wanted, an Assistant with Minor qualification. Apply, with full particulars, to Glaisyer & Kemp, Brighton.

**B**UCKINGHAM.—Indoor Assistant, accustomed to Agricultural and good Family business and able to Extract Teeth; no Sunday work; comfortable home. Applicants must state age, height, and salary required, and enclose photograph to Herbert Webb, Pharmaceutical Chemist, Buckingham.

**B**URNHAM (BUCKS).—Assistant wanted, July 26; Part-time; outdoors; three hours daily for study. Send photograph (which shall be returned), state capabilities and salary required, Heald, Burnham, Bucks.

**C**AMBRIDGE.—Junior Assistant wanted, for Light Retail and Dispensing. Apply, with full particulars, to C. S. Addison, Market Hill, Cambridge.

**C**APE TOWN.—Assistant required, immediately, of good experience, holding Minor qualification; neat and accurate Dispenser; must write a good legible hand; aged about 25; North Countryman preferred; salary, first year £120 per annum, second year £132, third year £144; sleeping accommodation provided; second-class passage paid out, conditional on a three years' agreement being signed; candidates must hold undeniable references. Address, "Cape," c/o Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

**C**OVENTRY.—Wanted, Junior for quick trade; outdoors; no Sunday duties; 4 o'clock Thursdays. State salary, age, references, and full particulars, to Blunt's Drug Stores, Broadgate, Coventry.

**C**ARDIFF.—Wanted, an Assistant, about 24; must be smart and energetic. E. Edwards, Chemist, Cardiff.

**C**ARDIFF.—Qualified Assistant; outdoors; about middle of July. Full particulars as to age, height, salary, experience, &c., to Jesse Williams & Co., Chemists, Park Hall Buildings, Cardiff.

**C**OLCHESTER.—Assistant; about 23; good-class business; indoors; state salary; send photo. Prosser, Chemist, Colchester.

**D**ORKING.—Junior Assistant, in a good-class Family business; preference given to one with knowledge of Dentistry or Photography. Please send full particulars and photo (which will be returned), F. W. Doubleday Ltd., Store Chemists, Dorking.

**D**UDLEY.—Wanted, a qualified Dispenser; good Counterman; abstainer. Apply, with references and full particulars as to salary, &c., to H. W. J. Ince, 218 Market Place, Dudley, Worcestershire.

**E**AST GRINSTEAD.—Junior Assistant; indoors; 3 kept; hours of business 8 to 8. Apply personally, if possible, or by letter, with full particulars, enclose photo (to be returned), to H. S. Martin, Chemist, East Grinstead.

**E**DINBURGH.—J. C. Pottage, 117 Princes Street, Edinburgh, is in want of an active Junior Assistant; outdoors; state salary, height, and age, also send photograph (returnable) with references.

**E**XETER.—Assistant wanted in a first-class Dispensing and Retail Pharmacy; must be neat and accurate Dispenser and good Counterman. Apply, stating age, height, refernce, salary required, and enclose photo, Milton & Son, Pharmaceutical Chemists, 265 High Street, Exeter.

**G**UILDFORD.—Junior Assistant, immediately; indoors; aged about 20; accustomed to good-class Retail, Dispensing, and Prescribing; quick and accurate; none but good Countermen and thoroughly trustworthy need apply. State salary required, references, age, height, enclosing c.d.v. (to be returned), W. Jacobs, Chemist, Guildford.

**H**ADFIELD.—Assistant wanted at once; aged from 19 to 22; used to brisk Mixed business; abstainer. State particulars of age, experience, and salary required (indoors), enclosing photo (to be returned), Richardson, Chemist, Hadfield, Derbyshire.

**H**ARROGATE.—Experienced Junior Assistant, outdoor, of gentlemanly appearance and address, required the latter part of July for the season, for a select branch pharmacy, under manager; must be a neat and accurate Dispenser. Apply, giving references, stating weekly salary required, and enclosing photo (to be returned), to R. Hayton Davis, Pharmacist, High Harrogate.

**H**EREFORD.—Indoors; wanted, immediately, thoroughly reliable Junior; quick, good Counterman and Dispenser. Send photo (to be returned) and full particulars to Edwin Guy, Chemist, Hereford.

**H**UCKNALL TORKARD.—Junior (unqualified), to manage Branch; abstainer preferred. State salary, &c., with photo, to "Manager," Watnall Road Drug Stores, Hucknall Torkard, Notts.

**H**ULL.—Junior, to Manage Branch; must be used to Store trade; business abilities essential. State salary required, photo, age, and references (outdoors), to The National Drug Co., 30 Londesborough Street, Hull.

**H**YDERABAD, DECCAN, INDIA (within 24 hours from Bombay and Madras).—Qualified Assistant wanted, aged 25 to 30; first-class London experience necessary; thoroughly steady; good Dispenser; to live on the premises; 4 years' engagement. Apply, stating full particulars and salary required (photo with application), A. A., c/o Ellis & Son, Bedford Chambers, Exeter.

**K**ESWICK.—Lake Derwentwater.—For the season (outdoors), energetic Junior, accustomed to a Mixed business; July 10, or earlier. State full particulars, salary, experience, and reference, also photo, to Norman Swinole, Chemist, Keswick.

**K**INGSTON-ON-THAMES.—Qualified Assistant (single), for Brauch; no Sunday duty; half-day weekly from 2 P.M., and full day monthly. State age, height, particulars of experience, and salary required, to W. E. Clarke, Chemist, Kingston-on-Thames.

**L**EAMINGTON.—Assistant for front Counter; indoors. State age, experience, &c., to County Drug Stores, Leamington.

**L**EICESTER.—A qualified Dispenser for high-class Branch Store. State full particulars as to height, age, salary (outdoors), with references and photo, to Ward, Cash Chemist, Haymarket, Leicester.

**L**EICESTER.—Wanted, a good useful Junior (outdoors); about 21; Tooth-extractor preferred. State salary, references, and full particulars, with photo if possible (will return same), Cleaver, Chemist, Leicester.

**L**EICESTER.—Wanted, an Assistant for good-class Retail and Photographic business (indoors); also an Assistant as Branch manager. Apply, stating salary required, experience, &c., and enclosing c.d.v. (to be returned), to Berridge, Chemist, Leicester.

**L**IVERPOOL.—Wanted, an Assistant, about 26, to manage a Branch Dispensing, Prescribing, and Light Retail business; salary £50. Address, with particulars and references, to J. W., c/o Mr. Tattersall, Pawnbroker, Oazeneau Street, Liverpool.

**L**ONDON, S.E.—Junior Assistant wanted (outdoor). Apply, by letter, giving usual particulars and salary expected, Lockyer Brothers, Chemists, Deptford, S.E.

**L**ONDON, W.—Wanted, qualified Junior for Dispensing and Retail; outdoors. Apply, W. C. Jones & Co., 23 Bayswater Terrace, W.

**L**ONDON.—Junior Locum, for Dispensing, wanted for fortnight, commencing July 19; short hours, 9 to 7; Saturdays to 4; no Sunday duty; outdoors. Usual particulars to Knowles & Phillips, 93 Gresham Street, London, E.C.

**L**ONDON, W.—Assistant, who can be well recommended, for good-class West-end business. Apply personally, or supply full particulars, to Read, 90 Victoria Street, S.W.

## RETAIL—continued.

**L**ONDON, W.—Qualified Assistant where 3 are kept. Enclose photo (to be returned) and full particulars to "Nemo," 8 East Chapel Street, Mayfair, W.

**L**ONDON.—Until end of August (during the holidays of assistants), a Junior with good Counter experience; indoors; early evening weekly, half-holiday fortnightly, 1½ hour off daily, little Sunday duty. Apply personally, or by letter, to 675 Holloway Road, N.

**L**ONDON, N.W.—Outdoor Assistant, good all-round man, about 25, wanted in brisk Cash business; salary £2 weekly; hours 8 till 9 to 9.30, except Saturday: half-day weekly from 3; no Sunday duty. Apply, or send carte, with full particulars of age, height, experience, &c., to Goodchild, High Street, Harlesden.

**L**ONDON, S.E.—Wanted, July 16th, a competent Assistant about 23, for a month. Also an Assistant for Saturday evenings from 5 P.M. at once; personal application preferred. "Chemist," 390 Walworth Road, S.E.

**L**ONDON.—Wanted, qualified Manager for Drug Store; must be smart, intelligent, and business-like. Send particulars of references, age, and salary required (outdoors), to 174/18, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**L**ONDON, N.W.—Evening duty required four evenings weekly and on alternate Sunday evenings; good experience essential. Apply (personally preferred), J. Noble, 116 Craven Park Road, Harlesden, N.W.

**L**ONDON, N.E.—Wanted, Assistant-Dispenser, and one who has had experience in Mechanical Dentistry: comfortable home; time for study. Address stating age, experience, height, reference, salary, and photo if possible (to be returned), J. C. Pentney, 98 Queen's Road, Dalston.

**L**ONDON, S.W.—Wanted, smart Junior Counterwoman, for good West-end establishment. Davies, 19 King's Road, Chelsea.

**L**ONDON, W.C.—To Students.—Part-time Assistant required. For full particulars apply to J. Carr & Co., Pharmaceutical Chemists, 171 High Holborn, W.C.

**L**ONDON, N.W.—Immediately, Junior Assistant (outdoors); must be accustomed to good-class Dispensing business; personal application, if possible. Dunford, 142 High Street, St. John's Wood, N.W.

## LONDON SCHOOL OF MEDICINE FOR WOMEN.

A LECTURER on Chemistry, Organic and Inorganic, wanted for the Winter Session, 1897-98.

For particulars, apply to the Secretary at the School, 30 Handel Street, Brunswick Square, W.C.

**L**OWESTOFT.—Wanted, at once, Junior (outdoors), about 20 years of age. State references, height, salary required, and enclose photo if possible (which will be returned), Arthur Wright, 117 High Street, Lowestoft.

**M**ANCHESTER (Pleasant Suburb).—Wanted, capable, energetic Junior Assistant; no-to-date experience and good window-dresser; indoors; hours 8.30 to 10, Saturdays 11; free one afternoon at 2 and one evening at 6; alternate Sundays. Fullest particulars and photo to P. C. D., c/o Oldfield, Pattinson & Co., Todd Street, Manchester.

**M**ANCHESTER.—Smart Assistant; about 24; qualified; accustomed to a high-class quick trade. Personal application preferred, or if by letter, state references, age, and salary required, enclosing photo (to be returned), to Rawsthorne & Co., Chemists, Withington, Manchester.

**M**ARGATE.—Assistant, about 22, as Junior, who has had good Dispensing and Retail experience. State former engagements, height, salary, and when disengaged, to John Baily & Co., 26 Ethelbert Road, Margate.

**M**ERTHYR TYDFIL.—Wanted, at once, Junior Assistant (indoors) for Mixed business; one accustomed to the sale of Photographic goods preferred. Apply, stating age, height, and salary required, with photo if possible (to be returned), to Rees Thomas & Son, Merthyr Tydfil, Glam.

**N**EWCASTLE-ON-TYNE.—Assistant, qualified (outdoors), wanted, early in July; salary £100 per annum, or according to experience, age, and qualifications for the vacancy; applicants must give fullest particulars, in order to spare correspondence; say if abstainer. Address, "Vacancy," c/o Joseph Roberts, Chemist, Newcastle-on-Tyne.

**O**AKHAM.—Wanted, trustworthy, permanent Assistant; indoors; accurate Dispenser and good Counterwoman; qualified preferred. Apply, stating age, height, salary required, and full particulars, with photo, to J. Wellington, Chemist, Oakham.

**P**LUMSTEAD.—Junior Assistant required, at once. Apply, with usual particulars, to Goldthorpe & Cook, Chemists, 70 Herbert Road, Plumstead, Kent.

**P**ORTSMOUTH.—Trustworthy, obliging Assistant required; qualified; outdoors. State age, salary required, and full particulars, Timothy White Company, Chemists, Portsmouth.

**S**CARBOROUGH.—Required by the end of July, a thoroughly competent Chemist as Manager; aged about 30; good Prescriber. Apply, enclosing photo, stating terms, &c., to Mrs. Jones, 7 Westfield Terrace, Scarborough. Applications not answered in 3 days respectfully declined.

**S**OUTHAMPTON.—Qualified Assistant, of good address, for a large General Cash Retail; must be a smart Salesman, Tooth-extractor, and Prescriber; not under 27. Write fully, stating salary (outdoors), to Wride & Co., Southampton.

**S**TRATFORD-ON-AVON.—Wanted an Assistant (permanent) about 24; one accustomed to General country trade; knowledge of Photographic materials preferred. Send particulars as to height, photograph, salary required (outdoors), R. Hawkes, High Street, Stratford-on-Avon.

**S**UTTON.—Junior Assistant wanted; indoors; also an Improver; state age, height, experience, and salary required; enclose photo (to be returned). Address, F. T. Sanders, Chemist, Sutton, Surrey.

**T**ORQUAY.—A good-class Assistant, about 24 years of age, for high-class Store business; 4 others kept. Photo and particulars, to Mr. E. A. Holloway, Chemist.

**W**ESTON-SUPER-MARE.—Assistant, in first-class Dispensing and Retail; indoors; qualified and permanent preferred; state age, height, salary, references, and enclose photo if possible, G. S. Ball, Weston-super-Mare.

**W**ESTON-SUPER-MARE.—Wanted, a qualified Assistant; outdoors; must have had experience in Dispensing and good-class Retail. Reply, stating salary required, and full particulars, to H. C. Parkes, The Church Road Pharmacy, Weston-super-Mare.

**W**OLVERHAMPTON.—Junior Assistant, indoors, of good address, abstainer; accustomed to Country trade; character must hear strict investigation. Apply, stating age, height, salary required, when at liberty, with references, to Fleeming & Son, Pharmaceutical Chemists, Wolverhampton. Applications not answered within three days declined.

**W**ORTHING INFIRMARY.—Wanted, immediately, Dispenser; must be fully qualified; salary £90 per annum. Applications, with age and testimonials, must be sent to the undersigned from whom further particulars can, if required, be obtained. Robert Grevett, Secretary.

**A**SSISTANT, in good-class Retail and Dispensing business, about 10 miles from London; aged from 22 to 26; unexceptionable references; qualified preferred, but not essential. Apply, in first instance by letter, to H. B. Messrs. Barclay & Sons (Limited), 95 Farringdon Street, E.C.

**A**SMART, advanced, Junior Assistant wanted for a few months, capable of taking occasional charge, putting up stock, &c., in a mixed suburban district, 12 miles from London; outdoors; wanted at once; Extractor preferred. Send particulars to "Suburban" (169/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M**ANAGER (qualified), for Light Country Retail; must possess good all-round experience, and furnish undeniable references; a comfortable berth to an energetic man. Apply, with full particulars, saying when disengaged, and enclosing carte (to be returned) to "Anthem" (168/25), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M.** BEETHAM & SON, Cheltenham, require a thoroughly qualified Dispenser; must have been used to first-class business and be well recommended. Apply as above, stating references, age, and salary required (indoors), and enclose carte, which will be returned.

**S**TUDENTS, Improver, or Assistant, engaged during the day; advertiser offers nearly full board and lodging for very light duties up to 10 A.M. and after 6 P.M.; a nominal salary would be offered to anyone who liked to give more time. Address, "London" (164/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**W**ANTED, an energetic and trustworthy Assistant (qualified), married, to live on premises; to a suitable man prospects of Partnership with small capital. Apply, to A. L., c/o Messrs. Willows, Francis & Butler, 101 High Holborn, W.C.

**W**ANTED, a competent qualified Assistant for the Provinces; must be a neat and accurate Dispenser; outdoors; easy hours. Apply, with photo, stating salary required, &c., to "Pekin," c/o Messrs. Hodgkinson & Co., 101 Whitecross Street, London.

**W**ANTED, smart qualified man as Dispenser; also good Junior. Apply, Lewis & Burrows (Limited), 22 and 24 Great Portland Street, W.

**W**ANTED, at once, a young, qualified Assistant for Drug-store: outdoors. State age, experience, &c., to X. Y. Z. (174/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**W**ANTED, at once, qualified and unqualified Assistants; good prospects for smart, pushing men. Apply, giving full particulars, references, salary expected, &c., with photo, to George C. Dinsart, 135 Queen's Road, Brighton.

## WHOLESALE.

**S**OWERBY BRIDGE.—Wanted, immediately, an energetic and trustworthy Assistant to travel 3 or 4 days a week, remainder indoors; experience in Oils, Paints, Drysalteries, &c.; essential age about 24; indoors. References, salary, and photo, and full particulars, B. B. Cowgill, Wharf Street, Sowerby Bridge, Yorkshire.

**W**HOLESALE DRUG TRADE.—Wanted, Assistant, about 24 to 25, with some experience of Sundries and Instruments. Apply, stating salary required and previous experience, to "London Druggist," c/o Smith, 92 Arthur Road, North Brixton, S.W.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 6 words beyond.

## RETAIL.

**A**SSISTANT; aged 29; disengaged July 24. C. V., 155 St James' Road, Croydon.

**J**UNIOR; 21; tall; disengaged; 3 years' experience. H. Hall, Park Street, Bolton.

**J**UNIOR; 21; good-class business. Bathurst, 416 Bury New Road, Manchester.

**J**UNIOR, with time or help for Minor. H. S., 8 Holland Street, Clapham Road.

**A**SSISTANT; aged 23; good experience; unqualified. A. W., 32 De Laune Street, S.E.

## SITUATIONS WANTED—cont.

## RETAIL—continued.

**G**OOD all-round quick trade (in or out), or as Locum; 44. D. Pearce's, Chemist, Edmonton.

**M**ANAGER (Temporary); 45; town or country. Baker, 154 Fortress Road, London, N.W.

**L**OCUM, or part-time; qualified; disengaged June 30. "Salicin," 28 Trinity Street, Borough.

**L**OCUM or Part-time engagement; disengaged June 30th. Howard, 67 Sistova Road, Balham.

**I**MPROVER; 3½ years' experience. Smith, 5 Barningham Street, Corporation Road, Darlington.

**P**ART-TIME or Locum; large experience; abstainer; disengaged. Hughes, 16 West Square, S.E.

**M**ANAGER; qualified; 23; good experience. H. C., 1 Elm Park Terrace, Fulham Road, S.W.

**A**SSISTANT; 23; 7 years' experience; London preferred. "Statim," 42 Inkerman Street, Swansea.

**L**OCUM-TENENS; 16 years' good experience; disengaged. "Chemicus," Dunford House, Weymouth.

**M**ANAGER; middle-aged; single; qualified; 5 ft. 9 in. "Pharmacist," 10 Meanley Road, Manor Park.

**M**ANAGER or Assistant; qualified; 32; Prescriber, Extractor. A. Kimber, Fyfield Wick, Abingdon.

**M**ANAGER; qualified; permanent or Locum; disengaged. "Chemicus," 90 Howson Road, Brockley, S.E.

**L**OCUM; 32; London and country experience; disengaged July 5th. Jones, 5 Belgrave Terrace, Teignmouth.

**J**UNIOR; 4½ years' experience; outdoors preferred; Photographic knowledge. Green, South Parade, Derby.

**Q**UALIFIED Assistant; 28; excellent references; Prescriber, Dispenser. B., 69 Charrington Street, N.W.

**P**ART-TIME; outdoors; good experience. Prescribing, Dispensing, &c. "Abstainer," 10 Murray Street, N.W.

**J**UNIOR, where two or three are kept; 4 years' experience; 20. Apply, Andrews, Brant Broughton, Newark.

**L**OCUM; after July 2; abstainer; 29; experienced; Major. Williams, Westcombe Pharmacy, Westcombe Park, S.E.

**P**ART-TIME Chemist or Surgeon; London; outdoors; unqualified. Richards, 39 Moreton Terrace, Belgravia, S.W.

**P**ART-TIME; outdoor; 6½ years' experience; 24; 5 ft. 9 in.; salary no object. "Statim," 53 Stacey Road, Cardiff.

**A**SSISTANT; 23; 5 ft. 8 in.; Dispenser; Photography; references; disengaged July 17. Odgers, Saltney, Chester.

**A**SSISTANT; disengaged; 11 years' experience; unqualified; 27. "Statim," c/o Mr. Eaton, Chemist, Woodbridge.

**A**GED 23; 8 years' experience; outdoors; provincial town; good references. D., 38 Parson's Green, London, S.W.

**L**OCUM; July and August; highest references; qualified. "Formalin," Westminster College, Trinity Street, S.E.

**L**OCUM-TENENS; qualified; 52; unexceptionable references; disengaged July 20. Jones, Greenfield Villas, Llanelli.

**L**OCUM or permanency, Chemists, Surgeons, or Institutions; experienced. "Qualified," 157 High Street, Borough, S.E.

**B**RANCH MANAGER; Registered; Prescriber, Extractor; outdoors; first-class references. Day, Hoveringham, Notts.

**Q**UALIFIED Dispenser; 24; London; outdoors. 173/21, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**A**S Assistant; Shop or Warehouse, Stores; present situation 2 years; good references; aged 23. Needler, New Street, Beverley.

**P**ART-TIME; studying for Minor; good London experience; Hall qualification. "Stibium," 132 Kennington Park Road, S.E.

**E**VENING work required, either to Chemist or Surgeon; aged 27. Address, "Student," 33 Nottingham Road, Upper Tooting, S.W.

**Q**UALIFIED Chemist seeks Managership of good-class business; first-class experience. Fitt, St. John's Villa, Park Lane, Norwich.

**M**ANAGER, Locum, &c.; disengaged; qualified; London and country experience. W., 7 St. Mary Street, Kennington, London, S.E.

**C**HEMIST, Ph.D. (Giessen), seeks engagement; good Analyst; thorough knowledge of German. "Analyst," 28 Ladbroke Square, W.

**L**OCUM; abstemious and reliable; qualified; disengaged June 25 to July 12, also July 21 to August 16. Stone, 8 Square, Chesham, Bucks.

**Q**UALIFIED; tall; 7½ years' experience; good London house preferred; highest references. "Ochemicus," Burksroyd, Bradford Road, Shipley.

**L**OCUM.—F. G. Shrimpton, Grove Street, Oxford, is open to engagements with Chemists, Surgeons, or Institutions; qualified; first-class references.

**J**UNIOR; 25; height 5 ft. 10 in.; City experience wanted; salary no object. 174/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**J**UNIOR; 20; 4 years' experience in good-class Retail and Dispensing; disengaged about July 16th. A. Evans, c/o Mr. Lloyd, Chemist, Olwyn Bay.

**A**S general permanent Assistant; good references; moderate salary; Mixed trade; unqualified; medium age. Collis, 14 Swinton Road, Mexborough, Yorkshire.

**A**SSISTANT; first-class town and country experience; quick Dispenser and Salesman; outdoors; disengaged. "Iridine," 135 Mayall Road, Brixton, S.W.

**Y**OUTH; 17; understands Chemistry, &c.; in chemists, Wholesale or Retail; assist laboratory, &c. X. Y., 6 Whittington Terrace, Wingfield Street, Peckham.

**M**ANAGER, or Senior; aged 29; Minor qualification; good references; London and country experience; disengaged. Thwaite, 32 Gilesgate, Durham.

**M**ANAGER for Branch; Minor qualification; Manchester and Liverpool experience; reliable; outdoors; excellent references. Young, 120 Fenton Street, Leeds.

**M**ORNING and afternoon; Retail or Dispensing; 20; tall; Liverpool (indoors) or Birmingham (outdoors) preferred. T. H. Barlow, Blackheath, Birmingham.

**J**UNIOR (19), 3½ years' experience, would like a situation in good Agricultural business in the North; Yorkshire preferred. Chapman, 26 Ethelbert Road, Margate.

**A**S Improver or Junior in good Dispensing business; Manchester or district preferred; aged 18; tall; passed Prelim.; at liberty August. A. Newton, 122 London Road, Leicester.

**M**ANAGER; 44; qualified; experienced in all details of a high class Pharmacy; Prescriber; excellent testimonials; country preferred. "Banks," 251 Park Lane, Tottenham, N.

**B**RANCH-MANAGER or Locum; 27; 13 years with Chemists and Dentists (Dental have own outfit); disengaged July 26. Cernes, 54 Fenney Street, Higher Broughton, Manchester.

**A**SSISTANT (26); good West-end and Stores' experience; excellent references; outdoors; London preferred; disengaged July 5. "Chemist," 22 Easthorne Road, South Tottenham.

**A**SSISTANT, 23, requires situation as Dispenser; short hours; highest references; 6 years' experience. W. Jones, Holbrook Villa, 33 Finchley Road, St. John's Wood, London, N.W.

**G**OOD Counterman, unqualified, desires permanency; skilful Extractor and Prescriber; could manage branch; aged 26; height 5 ft. 8½ in. "Outdoor," 675 Holloway Road, N.

**D**ISPENSER and Bookkeeper to Surgeon or firm; 10 years' experience; 5 years' reference. "Larkspur" (173/20), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M**ANAGER; qualified; 30; good knowledge of buying; London experience; disengaged in a month. "Origanum" (173/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**Q**UALIFIED; 20 years' experience; good references (family); or as Dispenser to a firm of Surgeons or Hospital, Managership for widow, or other suitable position. "Alpha," 26 High Street, Abergavenny.

**E**XPERIENCED Assistant; 13 years' London and Edinburgh; smart, tall, good appearance and address; 28 years of age; unqualified; disengaged; references. Cumming, 27 Wool Market, Berwick.

**L**OCUM or temporary.—Qualified Assistant (28), going into business next November, is disengaged from July 17; highest references. Address, "Beta" (172/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**A**S Locum or Manager for Branch; permanent; 2 years in last situation; good Prescriber; height 5 ft. 11 in.; at liberty; 25 years' experience. Address, "Radix" (167/24), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**P**HARMACIST (30) wishes engagement as Traveller for good Drug or Sundry house; present position, Manager and Buyer; London experience; disengaged in a month. "Alpha" (173/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**B**RANCH-MANAGER or Assistant; certified Pharmaceutical Chemist; 20 years' experience; good Extractor and Prescriber; satisfactory references; disengaged July 10. Address, 172/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**M**ANAGER (Midlands preferred); qualified; 18 years' varied experience; age 34; height 5 ft. 8 in.; excellent references; first-class Prescriber and thorough experience of Dental work, surgical and mechanical; married; abstainer; disengaged July 24th. Sumner, Burnley Road, Reedley, Burnley.

## WHOLESALE.

**T**RAVELLER; good Drug House; London, Suburbs; will interview at any time. "Phenazonum," 29 Ifield Road, S.W.

**T**RAVELLER (young); Sundries, kindred trades; references; security. May, Ferndale, Canhury Avenue, Kingston.

**G**ENTLEMAN representing Wholesale Drug House several years is open for an engagement; thorough good business man. "Ipecac" (167/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

## WHOLESALE—continued.

**WHOLESALE CHEMISTS**—Austrian, 5 years' Vienna and 3 years' Paris experience; Wholesale Drugs, Essential Oils; energetic; well up in business; French, German, English; disengaged August. Thallmayer, 9 Cité d'Hauteville, Paris.

**TRAVELLER**, 5 years' connection, is desirous of treating with good business house, where energy and ability would be rewarded and meet with fair remuneration. "Rhei" (167/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**TRAVELLER**, representing leading firm in Perfumery, desires additional Agency to work with same; part salary and commission; grand connection Chemists, &c., Midlands; good reference and security. Address, 164/10, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**TRAVELLER**; good connection amongst Chemists in Lancashire and Yorkshire and most large towns of the United Kingdom; thoroughly steady; well recommended; 20 years' excellent character and experience, both retail and travelling; aged 34. 171/1, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**CHEMIST** (30 years' experience) seeks engagement with a first-rate firm as Manager, Traveller, or in any capacity in which his experience and practical and scientific knowledge may be utilised; understands Drug and Chemical, Mineral-water, Photographic, and Perfumery trades, and British wine brewing; has had some experience of journalism; having private means, a temporary employment would be entertained; first-rate references. Apply, "Analyst," c/o T. B. Browne's Advertising Offices, 163 Queen Victoria Street, E.C.

## MISCELLANEOUS.

*Special charges are made for Advertisements under this heading, which can be obtained on application.*

**SEE** Advertisement Pages for a Jubilee Gift of nearly 10 per cent.; one day's orders only. Daisy, Limited, Leeds.

**GLYCERINE AND CUCUMBER** immediately prepared by using "Crème aux Concombres," which produces a splendid creamy inseparable preparation at the cost of 50 oz. for 1s. 6d.; send for sample ½ lb., post free, 1s. 6d. Marshalls (Limited), 27 Red Lion Square.

**EXPORT TO SWITZERLAND**.—An old, first-class, and well-introduced Firm travelling regularly throughout Switzerland are open to undertake Dépôts or Sole Agencies for Good Articles suitable for sale by Druggists and Grocers. Apply, "J 2414 Q," c/o Haasestein & Vogler, Bâle, Switzerland.

**CHEMISTS' Shop-fittings.**—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; hent-front and flat-top counter-cases; counter-decks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 14 Manchester Street, Liverpool.

**BARGAINS** in Shop Fittings for Sale.—One 10-ft. 6-in. range of 72 good second-hand mahogany drawers, gold labelled, £6 10s.; one 5-ft. nest of 42 ditto, with lockers, 30s.; one 7-ft. 6-in. nest of 30 ditto, £5; the complete fittings of a shop, 14 ft. by 12 ft., £45; 12-ft. second-hand counter, with mahogany top, 65s.; 6-ft. ditto, 37s. 6d.; one nest of 10 new counter drawers, with till, 42s.; 3 ½-gallon carboys, 12s. each; 130 gold-labelled bottles and pink jars, £9; estimates free; experienced fitters sent to all parts. R. Tomlinson & Sons, Medical Fitters, Bond Street, Birmingham.

**COUNTERS.**—Deal, stained and polished mahogany tops, double-moulded, panelled fronts, grained, 12 ft. long, 60s.; 10 ft., 50s.; if with solid mahogany tops, 12 ft. long, 90s.; 10 ft. 75s.; mahogany or walnut case counter fronts, glazed plate-glass with solid double-moulded counter top, 12 ft. long, 10s.; 10 ft. long, 8s. 10s.; 12 ft. side-fitting containing drug-drawers, bevelled-glass labels, cut crystal knobs, lockers below, pilaster shelving and cornice above, faced mahogany or walnut, 13s. One best house for window-fittings, plate-glass shelves, mirrors. Treble & Co., Complete Shop Fitters, Rectory Works, Jenner Road, Stoke Newington, N.

**To be Sold**, immediately, high-class Stock of Chemist's Fittings, including elaborate ranges of solid mahogany-fronted drawers, fitted with bevelled-edge labels, crystal-cut knobs, 10 to 20 ft. long; also ranges of shelving and lockers to match; 20 plate-glass fronted counters, mahogany tops, the backs fitted with numerous drawers, including cash, label drawers, &c.; solid mahogany wall-cases with movable shelves, 6 ft. to 20 ft. long; immense stock of window-enclosures, bent-glass show-cases, sponge-cases, massive dispensing-screens, from 70s. upwards, and everything appertaining to the Chemist's business. Shops, &c., fitted up entirely within a fortnight's notice, from £50 upwards, by most experienced men. Write for testimonials, Edwards & Co., Medical Fitters, 108 Whitechapel, Liverpool.

**CHEMISTS' Shop-fittings.**—Handsome sponge-case, shaped and moulded marble top, mahogany and plate-glass, wire cage, complete, £5 5s.; mahogany counter-deck, with perfume-case, plate-glass door, mirror back, 45s.; 14 ft. complete wall-fitting, mahogany-fronted drug-drawers, bevelled-glass labels and cut knobs, lockers, shelving, plate-glass mirror poison-cupboard, pilasters and cornice, £18 10s.; another 10 ft. long, and several 12 and 16 ft. long; 10 ft. mahogany-top serving-counter, panelled front, stained to resemble mahogany, 70s.; wall show-case, with recess, 6 ft. long, £8 10s.; another, 8 ft. long, £11 10s.; and one, very handsome, 10 ft. long, with pilasters, £14 10s.; quantity of other fixtures, every description. Philip Josephs, Shop Fitter, 50 Old Street, City Road, London, E.C.

## CUCUMBER AND GLYCERINE.

**ROUSE'S** Cucumber Paste is the best for preparing Cucumber Emulsion. Formulas and labels free with each jar; ½ lb. (for 3 lbs. emulsion), 2s. 3d.; 1 lb., 4s. 3d.; 7 lbs., 25s., post free. Rouse, 61 Charlotte Street, London, W.

N.B.—Cucumbers actually enter into the composition of this article.

## PRELIMINARY AND MINOR.

**STUDENTS!** Write to-day for a "Guide to Examination," gratis and post free, giving the best advice how to prepare. Knott Points in Latin Grammar, 1s. 6d.; Caesar Simplified, 1s.; Metric System Simplified, 1s.; How to Write an Essay, 3d.; Equations Simplified, 1s.; Notes on Dispensing, 1s., post free. Mr. J. Tully (Hills Prizeman), Chemist, Hastings.

## STIRLING'S "MINOR" AIDS.

Tabulated Materia Medica, B.P., 1885-90, and Non-Official, 2nd Edition. Much time and laborious study saved by the use of these Tables. 1s. 6d. Notes on Dispensing, Pocket Edition (4th), Interleaved for MS. notes. 1s. 6d. Doses, Sp. Grs., and Percentages of B.P. 1885-90, New and Improved Edition. Scheduled Poisons (Part 1 and 2) in distinctive type. 6d. Equations, &c., of the B.P. Chemicals. An aid to the Chemistry of the British Pharmacopœia, and a Guide to Equation Writing. 1s. Synopsis of Strengths, B.P. 1885-90. By means of this little book a month's work may be easily done in a few spare half-hours. 1s. Pharmacocritical Latin and Prescription Reading. With Key. 1s. 6d.

Post free per return for P.O. or stamp, from the Publisher—

JOHN GOWER, 4 Lancing Road, Ealing, LONDON.

## PRINCIPAL CONTENTS OF 'THE CHEMIST &amp; DRUGGIST'

For July 3, 1897.

VOL. LI. of the *C. & D.* begins to-day.

THE FORMULÆ on p. 24 are good.

SOME NEW BOOKS are briefly reviewed on p. 14.

THE latest particulars about the Glasgow Conference are on p. 5.

THE flowers that bloom in Kew just now are mentioned on p. 21.

AN EXPLOSION of fireworks-chemicals is the subject of a report on p. 3.

MORE ADVERTISING IDEAS by chemists and druggists will be found on p. 4.

PROFESSOR SCHÜTZENBERGER, the famous Parisian chemist, is dead (p. 6).

CARDOL, kryofin, malarin, and quinine chlorocarbonate are new remedies (p. 23).

MELLIN'S FOOD (LIMITED) has paid 14 per cent. on the first year's working (p. 9).

MR. ARENSEN writes graphically of the shop-life of young Danish pharmacists (p. 23).

"FRENCH SOAP," not marked "Made in France," is on sale in London West at present (p. 20).

MORE about the Royal Agricultural Show is communicated by our Manchester representative (p. 25).

THE description of the process for manufacturing capscin is illustrated with retail apparatus (p. 24).

THE DRUGGIST'S SUNDRIESMAN who specialised in elevators for the short has been acquitted (p. ).

MADAME DOUGLAS, who sold medicine for female irregularities to a police-sergeant, has been acquitted (p. 9).

A MAN of 40, blue eyes, fair hair, clean-shaven, who has passed himself off as Mr. W. Foggit, is wanted (p. 3).

CURIOS FACTS, noted by Dr. W. J. Russell, regarding photographic pictures taken in the dark are referred to on p. 21.

A PHOTOGRAPHIC REPRODUCTION of the Irish Pharmaceutical Society's congratulatory address to the Queen is printed on p. 14.

MINOR STUDENTS should read the article on the examination on p. 22, but it is just as readable to passed men, for the writer hits off examiners nicely.

PETROLEUM LUBRICATING-OIL is the latest thing offered for salad oil, but a South London Magistrate would have none of it and fined the grocer (p. 9).

MR. EWING, of Edinburgh, has been re-elected chairman, and Mr. Currie, of Glasgow, vice-chairman, of the North British Branch of the Pharmaceutical Society (p. 9).

OUR RECENT DISPENSING COMPETITION is the basis of the article entitled "The Pharmacist's Art," wherein we show how science comes in at the dispensing-counter (p. 16).

IPECACUANHA has had a peculiar history since 1889. In an editorial note we show that the price-curve of the drug approximates to the rise and decrease of influenza in Europe (pp. 17-19).

A NEW YORK judge has refused a preliminary injunction against the Apenta label in an action brought by Mrs. Saxlechner against the American agents of the Apollinaris Company (p. 9).

A HAMPSTEAD CHEMIST dispensed glycer. belladonnae and elixir cascara sagrada in the same kind of bottles for a child, who ultimately got a dose of the former. Dr. Danford Thomas's inquest is reported on p. 2.

# EXCHANGE COLUMN-BARGAINS

## TERMS.

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2-gallon silicated carbon-filter, new, 14s. WHITROW, Tunbridge Wells.  
Aerated-water plant, complete with bottles, siphons, cases, and engine, in Midlands. 16s/34, Office of the C. & D.  
Cocking's rotary pill-machine, capacity 20,000 per hour, cost £10 10s., price £3 3s. EDWARD MAISH, Chemist, Bristol.  
Forceps (10), 3 lancets, 1 double scissor, leather case; best make; £2, bargain. "DENTIST," Gladstone Street, Cornholme, Lancashire.  
Soda-water trolley; a hoy of eight can easily convey 3 doz. siphons and cases any distance; 35s., carriage paid. ARTHUR & CO., Cambridge.  
20 Bach dry cells, N size; 12-in. plate frictional machine, with accessories; Ruhmkorff coil, 4-in. spark; 5 1-pint Bunsen cells. RUSSELL, Chemist, Windsor.

**For Sale.**—1 Chinnery's patent portable aerated soda-water machine, with hottier attached, 117.; and 1 for chemicals only, 9l.; as good as new. Address, 21/40, Office of the C. & D.  
**For Sale.**—1 Curtis's nickel-plated ear-trumpet (Maw's list), cost 11s., price 7s. 6d.; 1 Barr's patent ear-trumpet (Bailey's list), cost 20s., price 15s.; both equal to new; never used. MEYLER, Chemist, Milford Haven.  
**For Sale.**—Wilcock's "Victory" soda-water machine, 12-in. pump, gasometer, McEwan's turnover filling-machines for bottles and siphons; in good working condition; what offers? CADMAN, Chemist, Blackheath Village, S.E.

**Medical Forceps**, nickel-plated, in first-class condition, blades perfect; upper molar, right and left; lower molar; upper wisdom; upper and lower root forceps; upper and lower excising; also Tome's "Dental Surgery," third edition, good as new, not used; what offers? D. D. S., 80 Micklegate, York.

### BOOKS AND PERIODICALS.

"Minor"; how to pass easily! cheaply! well! enclose stamp. LAWS, Chemist, Streatham.  
Medical and other books, "Quain," "Attfield," "Squire," Muter's "Instruments"; list. ANDERSON, Chemist, Hull.  
**For Sale.**—The Chemist and Druggist, 1884, 1885, 1886, 1887, 1890, 1891; what offers? 40/21, Office of the C. & D.  
Several earlier Pharm. Conf. Year-books, 6d. each; handsome blue-and-gold album, 50 pages, 17 by 14, 8s. WHITROW, Tunbridge Wells.  
**Attfield's "Chemistry,"** 13th ed.; Wills's "Materia Medica" (10s. 6d., 11th ed.), with map; "Art of Dispensing"; lot 13s. 6d. JONES, 18 Kensington Road, Southport.  
**Best offer accepted** for Fowler's "Building Business," Hanbury's "Pharmacographia," Watts's "Organic," Watts's "Inorganic Chemistry," Klein's "Micro-organisms," Kanthack & Drysdale's "Practical Bacteriology," Bentley's "Botany" (fourth edition), Attfield's "Chemistry" (sixth edition). HANSON, Pharmacist, Cressington, Liverpool.

### DRUGS AND CHEMICALS.

Insect-powder, genuine, surplus stock, 7-lb. tin, carriage paid, 10s. WILLS, Chemist, Merthyr Tydfil.  
**Overstocked.**—4 cwt. best blue nutgalls, fresh from Miucing Lane, price 55s. per cwt. here. SAMUEL ANDERTON, Chemist, Bradford Street, Birmingham.

### FORMULÆ.

Recipe for sticky fly-papers, cheap and reliable, 1s. 6d. F. H. LYNN, 10 Larches Lane, Wolverhampton.  
Book of 130 well-tried recipes for chemists; general, remedial, veterinary, toilet; post free, 1s. 6d. TULLY, Chemist, Hastings.

### PROPRIETARY ARTICLES.

32 tins Wilson's cooked food, 15s., carriage forward. J. GIBSON, 110 Charlotte Street, North Shields.  
Six carabolic smoke-halls, 5s. each; 1 antiphthisis oil, 3s.; 2 hroughonia, 1s. 6d. each; 1 Evans's digestive pearls, 9d.; 2 Burgess's ointment, 8d. each; 2 Rackham's pills, 9d. each; 2 alofias ointment, 9d. each. CLUBB, 138 Smithdown Road, Liverpool.

### OPTICAL AND PHOTOGRAPHIC.

Shew's guinea "Star" hand-camera, new, 11s. WHITROW, Tunbridge Wells.  
74 microscope-slides, 2s. 3d. doz., 12s. the lot; exchange; approval. LINTIN, 170 Freedom Road, Sheffield.  
**Criterion camera**, practically new, 15s.; magazine hand-camera, 12 1/2-plates splendid order, 30s. GOODALL, c/o J. Whitfield, F.C.S., Scarborough.  
Spectacles and some eyeglasses, 181 pairs, assorted sights and prices, some unnumbered (a few blue), nearly all in good condition; cost net £15; on approval; take reasonable offer; cash in 7 days. APPLEBY, Chemist, Ilkley.

### SHOP FITTINGS.

**Handsome** carhoy and specie-jar. DOUBLEDAY, Store Chemists, Dorking.  
**Four** pear-shaped carhoyes and some splendid large specie-jars for sale, cheap, or exchange. HENRY BRETT, Fakenham, Norfolk.  
**Pitch-pine** cabinet, 24 large drawers, with cupboards over, 12 ft. long, 9 ft. high, suitable for wholesales; cheap. BECK, Hastings.  
**Mahogany-topped** counter for sale, 12 ft. long; window-euclo ure, formed of mirrors, for sale cheap. WALKER, Chemist, West Kirby.  
**Danly** fittings (complete) for chemist's shop about 10 ft. square, comprising shelving, cornice, large handsome case and cupboard of stained pine, run of mahogany drawers, glass knobs, bevelled-glass labels, 2 counter-cases, 137 bottles (32-oz. to 8-oz.), pots (dark blue), syrup-hottles (turquoise-blue), and 21 blue jars; all new January, 1896, except the draw-ers; set drawers under counter (label, cash, &c.), scales, weights, tap and sink, &c.; first good offer accepted, or bottles and fixtures alone. MCKEE, Cash Chemist, Tunstall.

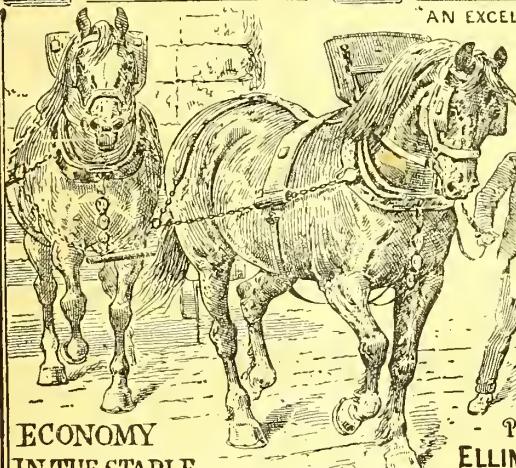
### MISCELLANEOUS.

Water-bed, good as new, 32 by 24; what offers? BOND-SMITH, Potton  
**Half gallon** tincture-press, 7s. 6d.; 4 ancient spade syrup-jars, 10s. each; offers. APPLETON, Carbrook, Sheffield.  
Several dozen spectacles and folders for sale cheap, bent tooth-hrush case (fig. 2 Maw's), 7 tooth-forceps (Maw's), scaling and stopping instruments. ROWLAND, Chemist, Windsor.  
**X-ray** focus-tube, new, cost 30s., cash 18s. 6d.; 10-gall. carboy, pear-shaped, cut-glass stopper, 21s.; microscope, by COLLINS, 3 powers, 50s.; approval. HAILSTONE, Chemist, Colliers Wood, S.W.  
**For Sale.**—2 6-gall. jars, soluble glass, 20s.; 5 agate mortars and pestles, 2, 1s., 1s., 1s., 1s., 1s., 10s.; 12 oz. pure carmine, 15s.; Attfield's "Chemistry," 11th ed., 5s.; Squire's "Companion," 7th ed., 4s.; "Chemical Recipes, Sunderland" 17s. JAMES FLEMING, c/o Mr. Gosse, 25 Leven Street, Edinburgh.  
What offers for 1 1/2 lb. gum kino; 4 glass slides for window-fitting, 7 ft. by 2 ft. 6 in.; plate-glass shelf, as Maw's No 3, and other shapes; pillar dispensing-scale, as Maw's fig. 7; Wenham gas-lamp, also 6-light star and other gas fittings? send stamped envelope for list of patents. KEY, Chemist, Pontypridd.

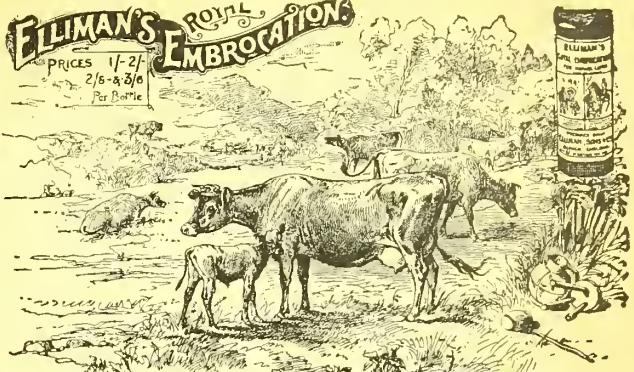
### WANTED.

2 4-gall. carboys in good condition. ROSS, Norton, Malton.  
Set of bottles for dispensing-counter, labelled, 172/4, Office of the C. & D.  
**Show-bottles** for exhibiting oils, &c., in window; particulars. 172/20, Office of the C. & D.  
Quantity of drawers, suitable for holding seeds. APPLY, TOOGOOD & SONS, Southampton.  
O'BRIEN's cash-till, mortars and pestles, suppository and pessary moulds, perfume stands, counter-stove. 171/23, Office of the C. & D.  
**Second-hand** tooth-forceps; state particulars, condition, and price; offers wanted for about 40 lbs. of mercury. JEFFERY, 3 Queen Street, Portsea.  
**Soda-water** machine, American generator and cylinders. State maker's name, size, and where to be seen, full particulars and price to N. PAUL & CO., 33 King's Road, Camden Town, N.W.

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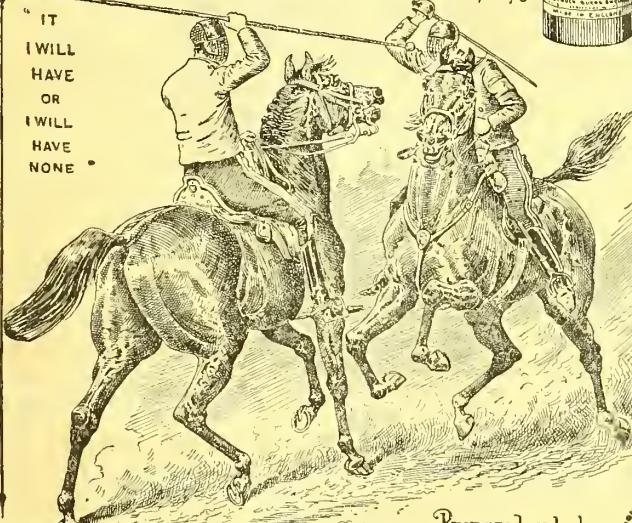
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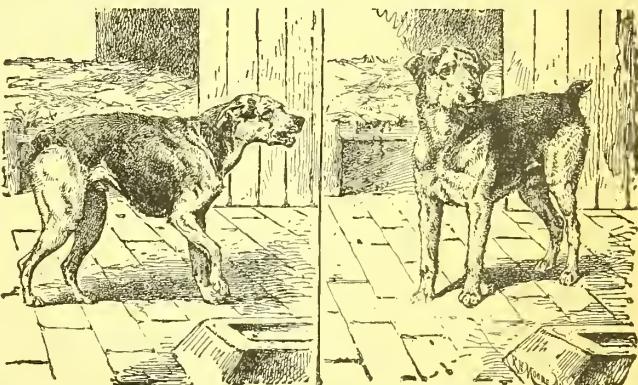
2/6 3/6

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HAVE  
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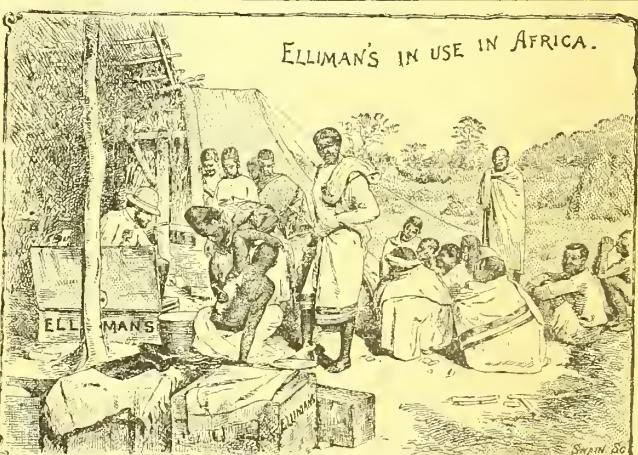
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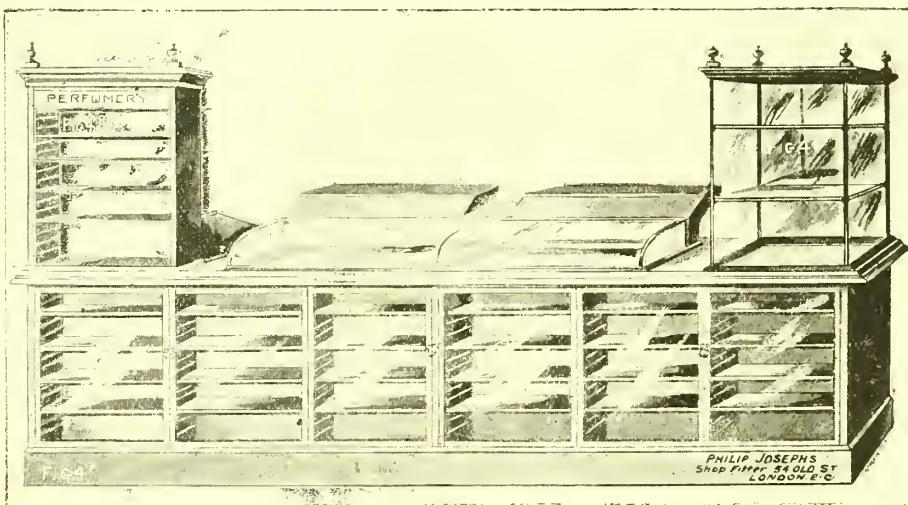
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COUNTER DESK AND PERFUME CASE.—FIG. 4B.—Mahogany desk with drawer inside, flap rest, and fitted lock and key. Case having plate glass door with plate glass tablet, "Perfumery," and fitted lock and key, lined at back with mirror, and having polished sliding shelves. Back of case having shelf for ink, &c. Case measures 2 ft. long  $\times$  2 ft. 6 in. high.

COUNTER SHOW CASE.—FIG. 4C.—Measuring 6 ft. long  $\times$  1 ft. high over all  $\times$  1 ft. 6 in. deep. Mahogany and bent plate glass, with serving and display shelves at back, opening with mirror falls with fitted spring catches, and interior having velvet-lined sliding trays. Case having glass ends.

BLOCK SHOW CASE.—FIG. 4D.—3 ft. high  $\times$  2 ft. long  $\times$  2 ft. wide. All plate glass, including top, opening with mirror plate glass door with spring catch, made on the air-tight principle, lined with velvet, and interior fitted with two polished edged plate glass shelves on tapped bronzed bar and adjustable brackets.

FIG. 4A.—We stock in sizes, 5, 6, 7, 8, 9, 10, 12 and 14 ft. long. Prices £5 10s.; £6; £6 15s.; £7 10s.; £8 10s.; £9 10s.; £11 10s., and £13 5s. respectively.

FIG. 4B.—Price £3 10s., or a cheaper quality minus tablet, price 45s.

FIG. 4C.—We stock, 2 ft. 6 in., 3 ft., 4 ft., 5 ft., 6 ft. and 8 ft. long. Prices £2 10s.; £3; £4; £4 15s.; £5 10s. and £7 5s. respectively.

FIG. 4D.—Price £6 10s., or with mirror back, £6 15s.

All packed free for British and Channel Islands, subject to empties and wrappers returned free of charge, but for the Colonies and the Continent, 12½ per cent. on the lot or 15 per cent. on single articles (extra to quoted prices) for battened cases, straw, packing, &c.

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Whereas it has been brought to our knowledge that an article purporting to be HYDROBROMIC EXTRACT of CINCHONA or LIQUOR CINCHONÆ HYDROBROM. is being offered for sale in this country, the same not being of our manufacture,

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### MIKADO MOTH PAPER.

Specially adapted for Folded Cloths, closely-packed articles, &c. 1s. per box.

### ALABASTRINE TABLETS.

For placing in Wardrobes, Chests, Cupboards, &c. 1s. per box.

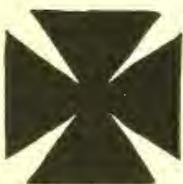
### CRYSTALLISED CAMPHYLENE

For scattering under Carpets, into Crevices, amongst Furniture, &c. 1s. per tin.

LIBERAL  
DISCOUNT  
GIVEN TO  
WHOLESALE  
BUYERS  
AND  
RETAILERS.

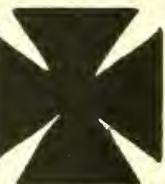
Procurable through all Wholesale Houses, or direct from the Sole Manufacturers—

**FLEMING'S OIL & CHEMICAL CO., LIM., 101 LEADENHALL STREET, E.C.**



### CAMPHORTAR

8/- per Gross.



### CAMPHORTAR

A combination of Camphor, Eucalyptus, and Coal Tar. A powerful Disinfectant, Deodoriser, Insect Destroyer, and Air Purifier.

## CAMPHORTAR

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES.

## HEBDEN'S CHLORIDE OF LIME

IN

AIRTIGHT, ODOURLESS, WATERPROOF PACKETS

Retains the Chlorine and keeps the Powder dry longer than any other packet.

4 oz., 8/- gross; 8 oz., 16/- gross; 16 oz., 30/- gross.

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES.

Samples on application.

Manufactured only by

**W. C. HEBDEN, HALIFAX, YORKSHIRE.**

6

**“ESSETS”**  
DISINFECTING FLUID.

**“ESSETS”**  
DISINFECTING POWDER.

**“ESSETS”**  
DISINFECTING SOAP AND TOILET PREPARATIONS

One gallon of “Essets” Fluid is sufficient to make 1,000 gallons of Disinfectant.

Send for Corroborative Reports, Testimonials, Price Lists, and Particulars to—

**A. GRANVILLE & CO., 102 High Street, Battersea, S.W.**  
AGENTS WANTED.

## NAN-SEN

AN ENGLISH CACHOU.

SELLS AT TASTE!!

18/- per Gross of Packets. Retails at 3d.

Compare price to other makes, and you will send your orders for

**“CARMICHAEL’S”**

From any Wholesale House in London; failing this write direct to

**158 NEW BOND STREET, W**

THE ONLY "REEL COMFORT."

1d.  
EACH.

MARSHALL'S

1d.  
EACH.

# FLY CATCHER

IS NOT OFFENSIVE TO THE SIGHT.

CATCHES MORE FLIES THAN STICKY PAPERS.

CLEAN TO USE AND DOES NOT SPOIL BY KEEPING.

A GIGANTIC SUCCESS!  
SELLS AT SIGHT.

ATTRACTIVE  
SHOWCARDS  
AND  
COUNTER  
BILLS,  
Printed with  
Customer's Name  
if desired.

ORDER AT ONCE.

1 gross ... 7/- net.  
5 gross at 6/9 ,  
10 gross, at 6/6 ,

Sent Carriage Paid on  
receipt of remittance.

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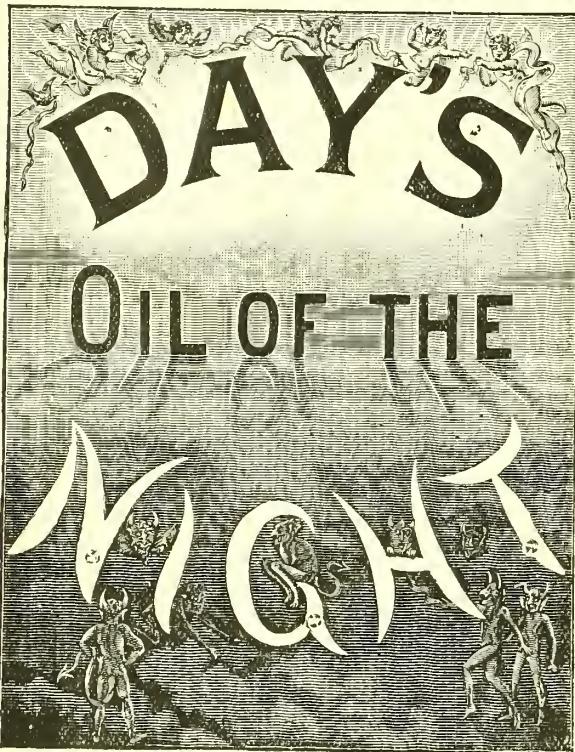
LEMING, MILES & CO., MONTREAL



PAPA.—"It's really wonderful how quickly these fly strings fill; we've caught those whilst we've been at dinner."  
FREDDIE.—"Oh! Papa, you should see those in the kitchen; there's thousands on!"

Head Office: 27 RED LION SQUARE, LONDON.

# DAY'S OIL OF THE NIGHT



## THE GREAT EMBROCATIVE BALM

Has now been proved well in front of any preparation for similar uses, and its sale is increasing by leaps and bounds.

*Neat Printing Gratis with every order from Crewe*

## DAY'S OIL OF THE NIGHT

(HUMAN USE).

The Embrocative Balm for Rheumatism, Sciatica, Lumbago, Sprains, &c., &c., and all Aches and Pains. 1/1 $\frac{1}{2}$ , 2/9. and 6/6 per bottle, less discount.

## DAY'S OIL OF THE NIGHT

(VETERINARY).

The Great Embrocation for Sprains, Swellings, Sore Throats, &c., &c., in Horses and Cattle. 1/-, 2/6 and 6 - per bottle, less discount.

From Wholesale Houses, or direct.

**DAY & SONS, CREWE.**

Established 1840.

**Day & Sons,  
Crewe.**

Established 1840.

**Day & Sons,  
Crewe.**

## HORSE AND CATTLE MEDICINES.

LARGEST SALE IN THE WORLD.



For Colic and Gripes in Horses, Hoven or Blown Cattle and Sheep, Scour in Calves, &c. 1s. 8d. per bottle, or 19s. per dozen.

### DAY'S "PURIFIED" DRIFFIELD OILS.

"DAY'S OILS."

Heals Kicks, Cnts, Stake Wounds Broke Knees, &c., Safely Heals all Wounds in all Animals; a Soothing and Antiseptic Oil for Lambing and Calving. Price 2s. 6d. and 6s. per Bottle.

### DAY'S WHITE OILS.

Unequalled as a safe Embrocation for all Stock; for Sprains, swellings, Wind-galls, Sprung Sinews; for Rheumatism, Sore Throat, Weak Joints; for Curbs and Splints when forming. Price 2s. 6d. and 6s. per Bottle.

### THE "ORIGINAL" UNIVERSAL MEDICINE CHEST.

For Disorders of HORSES, CATTLE, and SHEEP.

Price, with Guide, "Everyday Farriery," £1 4s., £2 4s., and £5.

### DAY'S RED DRINK (OR COW DRENCH).

Cures Fever and Costiveness in Cattle, Cleanses and Cools the Blood and System; for Red Water, Indigestion and Yellows; Cures Bad Cleansing and Prevents Milk Fever. Price 12s. per dozen Packets.

The "EWE DRENCH" acts as above for sheep. 8s. 6d. per dozen.

### DAY'S HUSKOLEIN.

The most successful remedy for Husk, Hoose, or Hoast in Stock, and Worms in Horses, Colts, and Dogs. Price 6/6 per bottle, 5 bottles 30s., or 12 bottles, £3.

### THE "ORIGINAL" HORSEKEEPERS' MEDICINE CHEST.

Arranged specially for Disorders in HORSES.

Price, with Guide, "Everyday Farriery," £1 4s., £2 4s., and £5.

THE GREAT AND MARVELLOUS

**INSECT DESTROYER.**

Entirely different from any other Beetle or Flea Powder.

"VIKO" will kill Cock-roaches.

"VIKO" will kill Moths.

"VIKO" will kill Fleas.

"VIKO" will kill Bugs.

"VIKO" will kill Mosquitoes.

"VIKO" will kill Ants.

"VIKO" will kill all Insects.

"VIKO" will not kill Dogs.

"VIKO" will not kill Cats.

**"VIKO"**

as a preventive against Moth is unrivalled. It has no equal. If sprinkled amongst Furs and Clothes instantly destroys any existing Insect Life, and ensures perfect freedom from a return of the pest.

Its effect upon Insect Life is simply marvellous.

Sold in 3d., 6d., &amp; 1s Tins.

SOLE PROPRIETORS—

**TUNBRIDGE & WRIGHT, READING.**

Manufacturers of the "World-Famed FLY CEMETERY."

TO PREVENT DISAPPOINTMENT, ORDER EARLY.

The World Famous Sticky Fly Paper.

**'THE FLY CEMETERY'**  
FREE FROM POISON.

The Original and by far the Best Sticky Fly Paper in the Market.

**Annual Sale—MILLIONS.**

BEWARE  
OF THE MANY  
SPURIOUS  
IMITATIONS  
IN  
THE MARKET.



STOCK  
A FLY PAPER  
THAT WILL GIVE  
SATISFACTION  
TO YOUR  
CUSTOMERS.

Terms, &amp;c., from

**TUNBRIDGE & WRIGHT, READING.**

North of England Depot—4 Gallowgate, Newcastle-on-Tyne.

French Agency—34 Rue St. Martin, Cognac.

**IMPORTANT NOTICE.**—If any of our customers have any over year's stock of our Fly Cemeteries on hand, we shall be pleased to exchange same for fresh goods free of cost.

TELEGRAMS—"FLIES READING."

**THE****FLYODOOMO****FLY STICKERS**

Catch Flies and Hold Them.

They are the Cleanest, Stickiest, and Best Fly Papers in the Market.

Carefully rolled up so that the Composition cannot possibly get outside.

Large Buyers should write for Samples and Quotations.

4d. and

1d.

SIZES



Sample  
Gross, Car  
riage Paid,  
on receipt  
of P.O. for 5/-

Having fixed up  
new and improved  
machinery, the pro-  
prietor can execute all  
orders with celerity  
and dispatch

**AGENTS—**

LONDON—Messrs. Sanger & Sons; Messrs. Barclay & Sons; W. Sutton & Co.

MANCHESTER—Messrs. Woolley, Sons & Co.

THIRSK—Mr. W. Foggett.

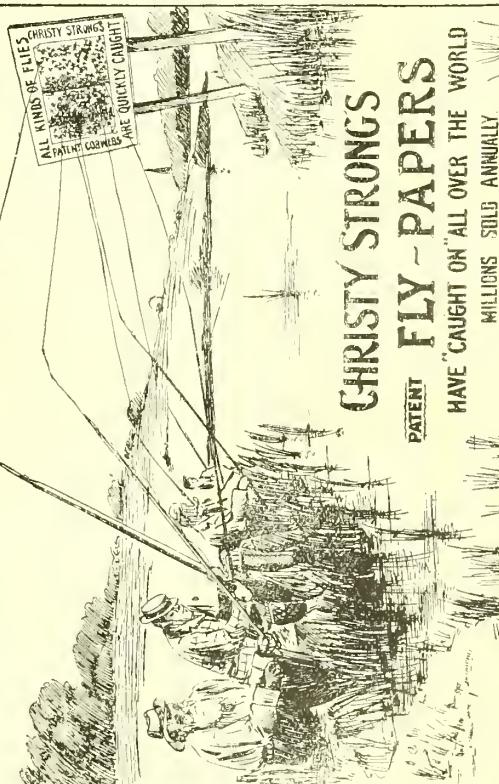
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LIVERPOOL—John Thompson.

**JOHN H. SMITH**  
NEWARK-ON-TRENT.

**FLY-FISHING!!**

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**CHRISTY STRONGS**  
**FLY-PAPERS**

PATENT  
HAVE CAUGHT ON ALL OVER THE WORLD  
MILLIONS SOLD ANNUALLY

# Dispensing Bottles.

## LYNCH & CO., LIMITED,

Respectfully invite attention to the subjoined prices of Dispensing Bottles, which, price for price and quality for quality, will compare favourably with any in the trade.

Their  Brand are especially handsome and very accurate.

No. 42.—DISPENSING, *green flint*, round edged, best quality, flat, plain, or graduated, per gross—

### IN ORIGINAL PACKAGES DIRECT FROM WORKS.

1-oz.	1½-oz.	2-oz.	3-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.	24-oz.	32-oz.	40-oz.
6/6	7/6	9/-	11/6	12/6	17/6	20/-	25/6	29/6				32/-	per gross.

### IN ANY QUANTITY, FROM STOCK.

1-oz.	1½-oz.	2-oz.	3-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.	24-oz.	32-oz.	20-oz.
7/-	7/-	7/-	8/-	8/-	9/6	9/6	12/-	13/-	18/6	18/6	21/-		

No. 42a.—DISPENSING, *quinine tint*, round edged, flat or oval, plain or graduated,  Brand, per gross—

### IN ORIGINAL PACKAGES DIRECT FROM WORKS

1-oz.	1½-oz.	2-oz.	3-oz.	4 oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.	24-oz.	32-oz.	40-oz.
9/-	9/-	9/3	10/9	10/9	12/-	12/-	18/-	18/-	21/6	27/-	32/6	43/-	49/-

### IN ANY QUANTITY, FROM STOCK.

1-oz.	1½-oz.	2-oz.	3-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.	24-oz.	32-oz.	40-oz.
9/6	9/6	9/9	11/3	11/3	12/6	12/6	19/-	19/-	23/-	28/6	34/-	45 -	51 6

### CONTENTS OF ORIGINAL CRATES, VIZ.:—

1-oz.	2 oz.	3-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.	32-oz.	40-oz.	
About	12	10	8	7	6	5	4	3½	2½	2	1½	1 gross.

*May be made up of assorted sizes if preferred.*

### MONTHLY ACCOUNT. SUBJECT TO USUAL DISCOUNT.

Plates, with Name and Address, charged at cost, 5/6 each net.

No extra charge for lettering.

*Original Crates Carriage Paid to Bristol, Glasgow, or Liverpool.*

**LYNCH & CO., LIMITED,**  
**192 ALDERSGATE STREET, LONDON, E.C.**

*Voluminously Illustrated Catalogue sent free on receipt of Business Card.*

Telephone Number, Bank 852.

Telegraphic Address—CHEMUS LONDON.

## ADVERTISERS' AND BUYERS' REFERENCE LIST AND INDEX TO ADVERTISEMENTS

## INDEX TO ADVERTISEMENTS APPEARING IN THIS ISSUE.

NOTE.—The Folios shown in this Index are those at the FOOT of the Page, and not at the Top. This arrangement is necessary in order to meet the requirements of the Post Office.

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Adams, B. ....	Dawes, A. H. ....	Lambert, A., & Co. ....	Sanitas Co., The (Lim.) ...
Alexandre's Shadefine ...	Day & Sons ...	Lanoline ...	Savory & Moore ...
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Apollinaris Co. (Lim.) ...	Dr. Scott's Pills ...	Liverpool School, ....	Scottish Acid Co. ....
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Barron, Harveys & Co. ....	English Diastatic Malt Extract Co. (Lim.) ...	Lünburger Wachsbleiche ...	Sheffield College of Pharmacy ...
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Blackwell, Hays & Spilsbury ...	Exchange Column ...	Martin, W. ....	"Solazzi" ...
Blondeau & Co. ....	Fentiman, Sons & Co. ...	Maw, S., Son & Thompson ...	South London School ...
Boehm, F. ....	Fleming's Oil and Chemical Co. ...	Maxwell, Bayes & Co. ....	Southwell, Chas., & Co. ....
Boord & Son ...	Fink & Co. ....	May & Baker (Lim.) ...	Sozio & Andrioli ...
Botwright & Grey ...	Fletcher, Fletcher & Co. ...	May, Roberts & Co. ....	Spurway & Co. ....
Bovril (Lim.) ...	Geneva Mineral Waters ...	Mellin, C. ....	Squires & Sons ...
Brook, Parker & Co. ....	Exchange Column ...	Mellin ...	Stevens, P. A. ....
Bruckner, R. ....	Fentiman, Sons & Co. ...	Metropolitan College ...	Strong, C. ....
Brunner, Mond & Co. (Lim.) ...	Fleming's Oil and Chemical Co. ...	Millar, A., & Co. (Lim.) ...	Symons, J., & Co. (Lim.) ...
Burdon, J., & Co. ....	Fink & Co. ....	Moise, F. B. (Lim.) ...	Thiellay, E. H. ....
Burrough, J. ....	Fletcher, Fletcher & Co. ...	Morrison, R., & Co. ....	Thornton-Pickard Manufacturing Co. (Lim.) ...
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Cadbury Bros. ....	Hawkesley, T. ....	Ness & Co. ....	Townsend, J. ....
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Cerebos (Lim.) ...	Hooper & Co. ....	Peterson, M., & Co. ....	Tyler, T., & Co. ....
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	Kemp & Sons ...	Ross & Sons (Lim.) ...	Wilcox & Co. ....
	Kent, G. B., & Sons ...	Rothschild & Baker ...	Woodruff, T. ....
	Kühn, B. ....	Royal Dispensary of Edinburgh ...	Woods, W. M., & Son. ....
		Sallyco Water Co. ....	Woolley, J., Sons & Co. ....
		Sanger, J., & Sons ...	Yanatas (Lim.) ...
			Youhion E. ....

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Whose Announcements appear in "THE CHEMIST AND DRUGGIST." Those whose Names do not appear in the preceding Index are published in one of the other issues of this month.

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Bonlton, J., &amp; Co., Lim.

Burdon, J., &amp; Co.

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Corsan, J. R., &amp; Harris, J.

## AERTD &amp; MINRIS

Apollinaris Co.

Barnett &amp; Foster

Bratby &amp; Hinchliffe, Lim.

Chemists' Aerated Waters

Farnell, J. &amp; Son, Lim.

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Hertz &amp; Collingwood

Hungyasi János

Idris &amp; Co., Ltd.

Ingram &amp; Royle, Lim.

Kinmond &amp; Co.

Macfarlan, J. F., &amp; Co.

Mills &amp; Co. (Bourne)

Ross, W. A., &amp; Sons, Lim.

Sallyco Water Co.

Seltzogen Patent Charges Co.

## AERATED PLANT

(See SYPHONS AND ESSENCES)

Barnett &amp; Foster

Bratby &amp; Hinchliffe, Lim.

Tyler, Hayward, &amp; Co.

Volcanic Aeration Co.

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Australian Drug Co.

Beynon &amp; Co. ....

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Taylor &amp; Colledge

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Smith, T. &amp; H., &amp; Co.

## AMMONIA

May &amp; Baker, Lim.

White, A., &amp; Sons

Woolley, Sons &amp; Co.

## APPARATUS

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Berend, O., &amp; Co.

Woolley, J., Sons &amp; Co.

## ASTHMA CURE

Potter &amp; Clarke

## BAKING POWDER

Goodall, Backhouse &amp; Co.

## BATH &amp; FLESH GLOVES

Maw, S., Son &amp; Thompson

## BATH SALTS

Tidman &amp; Son, Lim. (Sea Salt)

## BEESWAX

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Kemp &amp; Son

Leonhard, T.

Lünburger Wachsbleiche

## BICARB. SODA

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Howards &amp; Sons

May &amp; Baker, Lim.

## BIPALATINOIDS

Oppenheimer, Son &amp; Co., Lim.

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Hewlett &amp; Sons

Howards &amp; Sons

May &amp; Baker, Lim.

White, Alfred, &amp; Sons

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Squire's "Companion"

Whittaker &amp; Co.

## BORAX

Howards &amp; Sons

## BOXES

Austin &amp; Co. (Cardboard)

Ayrton &amp; Saunders

Evans, Sons &amp; Co.

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Kilner Bros.

Patent Stopper, Box, and

Stamping Co., Lim. (Tin)

Robinson &amp; Sons

Rogers &amp; Co.

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Stevenson, H. E., &amp; Co.

## CRBNIC ACID GAS

Carbonic Acid Gas Co.

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United British Castor Oil Co., Lim.

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Boehm, Fred.

## CHALK, PRECIP.

Levermore, Aug., &amp; Co.

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Boulton, J., &amp; Co., Lim.

Brunner, Mond &amp; Co., Lim.

Davy, Hill &amp; Son, Yates &amp; Heek

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Evans, Sons &amp; Co.

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Howards &amp; Sons (Pharm.)

Kirkpatrick, Barr &amp; Guthrie

Lofthouse &amp; Saltmer

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May &amp; Baker, Lim.

Moss &amp; Co.

Norrenberg &amp; Co.

Oppenheimer, Son &amp; Co.

Poppelereuter, W.

Safatka, Colloidin

Smith, T. H., &amp; Co.

Stevenson, H. E., &amp; Co.

Tyler, T., &amp; Co.

Washington Chemical Co.

White, A., &amp; Sons

Zimmermann A. &amp; M.

## COCAINE-HYDRO.

Howards &amp; Sons

## COCA WINE

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Evans, Lescher &amp; Webb

French Hygienic Society

Harker, Stagg &amp; Morgan

Holloway, E. A.

Kemp &amp; Son

Lorimer &amp; Co.

Stephen Smith &amp; Co., Lim.

(Hall's)

White, S. B.

Wileox &amp; Co.

## COCOA &amp; CHOCOL.

Cadbury Bros.

Caffin's Malto-Carnis

Fry &amp; Sons

Van Houten

Vi-Cocoa (Dr. Tibbles)

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Allen & Hanburys  
Burroughs, Wellcome & Co.  
Cuthbert, R.  
Davies, Gibbons & Co.  
Evans, Lescher & Webb  
Evans, Sons & Co.  
Freudenthul & Co.  
Harker, Stagg & Morgan  
Hill, A. S., & Son  
Kemps, Son & Co.  
Lofthouse & Saltmer  
Lyon & Co.  
Moss, J. & Co.  
Morrison, R., & Co.  
Oppenheimer, Son & Co., Llm  
Smith, T. H., & Co.  
Spratt's Patent (Dog Cakes)  
Scott's Emulsion  
Southall, Bros., & Barclay  
Stevenson, H. E., & Co.  
Wright, Layman & Umney

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Burroughs, Wellcome & Co.  
Davies, Gibbons & Co.  
Hooper, B., & Co. | Leo & Co.  
Lloyd, T. Howard, & Co.  
Parke, Davis & Co.

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Davies, Gibbons & Co.  
Fletcher, Fletcher & Co.  
Lloyd, T. Howard, & Co.  
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Guest, T. & Co. | Hillaby, J.

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Ringrose & Cobb  
CORN CURES

Beetham & Son  
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**COTTON WOOL**

Robinson & Sons (Absorbent)

**CRSHD LINSEED**

Evans, Gadd & Co.

Mumford, G. S.

**CYDER**

Symons, J., & Co., Lim.

**DELIVERY CARTS**

Rothschild & Baker

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Beecham, T.  
Bronnley, H., & Co.

Hovenoe & Sons

Jewsbury & Brown

Stevens, P. A.

Sutton, O., & Co.

Woods, W. (Areca Nut)

Wright, Chas., & Co., Lim.

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Fentiman, A. G.

Fentiman & Co.

**"DIMATOS"**

Southall Bros. & Barclay

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Beedzler & Co.

Calvert, F. C., & Co.

Dussek Bros.

Fletcher Bros. & Co.

Government Sanitary Co.

Granville, A. & Co.

Hillaby, J. | "Izal"

Jeves, Davy's Compounds Co.

Kay Bros., Lim.

Kuhn, B. (Chinosol Kresochine)

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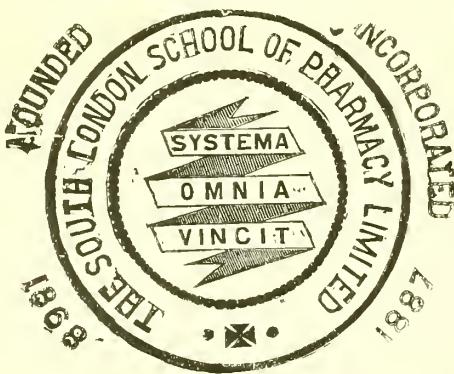
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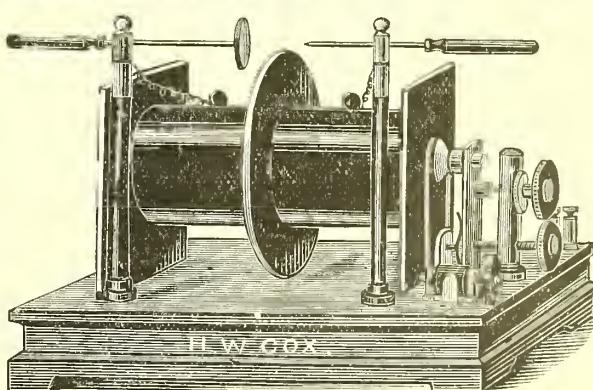
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**BOTTLE BOXES,**  
**WRAPPING PAPER**  
AND  
**GENERAL PRINTING.**

The Patent Serrated Pine Tree Toilet Paper.

*New Sets of Rainbow and Picture Bills.*

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Medical Label and General Printer,  
EXETER: LONDON:  
Little Queen Street and 2 & 3, Stonecutter Street,  
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**WILEY'S**  
**CHEMICAL**  
**ESSENCE**

FOR  
**Lameness in Horses**

HANDBILLS, with NAME and ADDRESS,  
SUPPLIED GRATIS.

50 YEARS' UNBROKEN SUCCESS.

SOLE MAKER AND PROPRIETOR:  
**FRANCIS E. ROOKLEDGE,**  
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TO BE HAD OF USUAL WHOLESALE HOUSES.

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**CHEMICAL FLY PAPERS**

MOST EFFECTUAL.

Size  $7\frac{1}{2}$  x 6, printed with Name and Address, and Advertisements, Three  
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**CIRCULAR**—8 $\frac{1}{2}$  inches in diameter, Name and Address only.  
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Artificial Perfumes and Flavours.  
THE BEST AND PUREST.  
BY SPECIAL SYNTHETIC PROCESSES.

MANUFACTURED BY

CHUIT & NAEF,  
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Sole Agents and Consignees for the British Isles:

**S. M. FRANKENSTEIN & CO.**

Dashwood House, 9 New Broad Street, LONDON, E.C.

Essential Oils

FLORAL EXTRACTS, CONCRETE ESSENTIAL OILS,  
POMADES, AND DISTILLED WATERS,

MANUFACTURED BY

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ESTABLISHED 1858.

**Specialties—Riviera Violet Extract, Ess. Oil Geranium,  
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SOLE AGENTS IN THE BRITISH ISLES:

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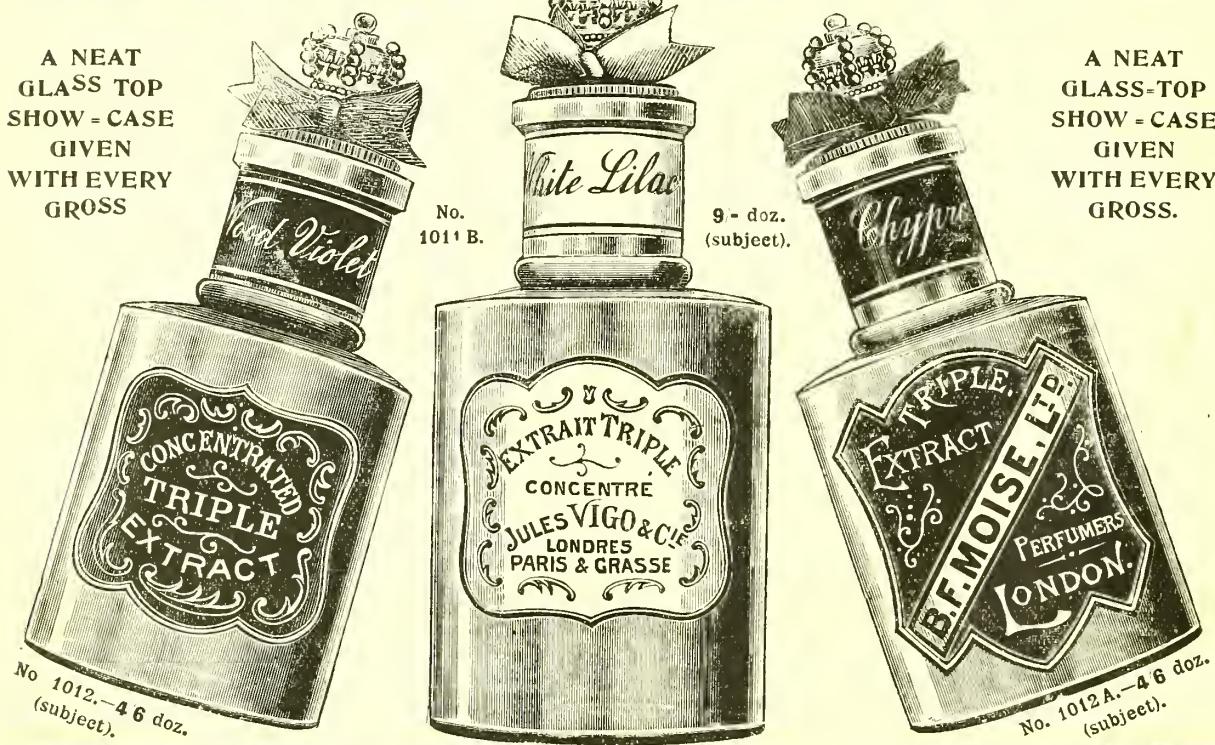
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**B. F. MOISE, Ltd., 51 MILTON ST., 51  
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MANUFACTURING PERFUMERS and SOLE

AGENTS for JULES VIGO ET CIE.

A NEAT  
GLASS TOP  
SHOW-CASE  
GIVEN  
WITH EVERY  
GROSS



A NEAT  
GLASS-TOP  
SHOW-CASE  
GIVEN  
WITH EVERY  
GROSS.

**ROGERS & CO.**

MEDICAL BOX TURNERS,

Turners of every description of Tooth Powder, Plate Powder, Pill and Puff Boxes, used by Chemists, Perfumers, &c.  
Price Lists on application.]

INVENTORS AND MANUFACTURERS OF THE PATENT

**SILICATED GREASE PROOF BOXES.**

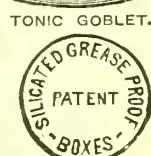
A perfect substitute for covered pots. These boxes are made of white wood, silicated inside, rendering them quite grease-proof, and will be found very convenient to send by post. They are very light, being one-sixth the weight of covered pots. They are not breakable. The lids fit quite air-tight. They are made to stand any climate. These boxes have been used over 20 years, and have always given the greatest satisfaction. Each box is stamped on the bottom with our registered stamp thus:



Registered No. 5,132.

PINCUSHION PUFF BOX. Manufacturers of the Tonic Cups and Goblets, Shippers & Large Buyers. Special Quotations on application.

CARTER ST., WALWORTH, LONDON.

**BEE SWAX**

GUARANTEED PURE, YELLOW AND WHITE.

In Blocks, Cakes, Tablets, or any other form, at lowest possible prices.

FREE TO ANY PLACE IN THE UNITED KINGDOM.

**AND BEST PURE BLEACHED CARNAUBA WAX.**

**LÜNEBURGER WACHSBLEICHE (Wax Bleaching Works),**  
LÜNEBURG, near HAMBURG, GERMANY.

# Important Trade Notice.

## F. S. CLEAVER & SONS

Wholesale Perfumers —  
and Toilet Soap Makers,

32, 33, & 34 RED LION STREET,  
.. **HOLBORN, LONDON** ..

Guarantee that their Preparations are manufactured strictly in accordance with the names bestowed upon them.

## TIDMAN'S SPECIALITIES

5 PER CENT. DISCOUNT FOR CASH. £5 Orders Carriage Paid in United Kingdom.

Tidman's Sea Salt	(bags to retail at 1d.)	8/3	per Gross.
" "	(packets „ 1½d.)	12/3	
" "	(3-lb. boxes)	5/3	per Doz.
" "	(7-lb. „ )	10 3	
" "	(14-lb. „ )	18/9	"
" Glycerine and Cuc. Soap	1/6	"	
" White Rose and Cuc. Soap	1/6	"	
" Marshmallow Soap	1/6	"	
" Eucalyptus Soap	1/6	"	
" Oatmeal & Coal Cream Soap	1/6	"	
" *Cold Cream and Glycerine	1/6	"	
" *Sulphur Soap	1/6	"	
" *Sulphur & Glycerine Soap	1/6	"	
" *Musk Brown Windsor Soap	1/6	"	
" *Cold Cream and Cuc.	2/0	"	
Wesley's Carpet Soap	3/0	"	
" Coal Tar Soap	1/6	"	
" Carbolic Toilet Soap	1/6	"	

Tidman's 4d. Salicylic Soap	7/6	per Doz. Boxes
" 6d.	10/6	"
" Creamoline	8/6	"
" Assorted Toilet Soaps	5/0	"

The above are all wrapped in attractive Wrappers, and packed in Fancy Boxes containing 3 Tablets.

Tidman's Assorted Toilet Soaps  
12 unwrapped ½-lb. Tablets in Box .. 15/0 per Doz. Boxes

Tidman's Round Rose Soap, Milled,  
1 doz. in Box ... 18/0

Wesley's Petroleum Pomade, 6d. size 3/0 per Doz.

" Linen Glaze, 1d. size ... 6/0

" 3d. „ ... 1/6

" Kaiser" Eau de Cologne, 2 oz.... 6/6

" „ 4 „ ... 12 0

" „ 12 „ ... 34 0

" „ Wickered, ½ Pint 19 0

" „ 1 „ ... 36 0

### SPECIAL LINE.

CORN AND WART SOLVENT, retail at 4d.; 1 doz. on card, 2s. 4d. per doz.; 24s. per gross.

Special Quotations for Quantities.

All the above Soaps are wrapped in attractive Wrappers, and packed in Boxes of 1 doz. Tablets.

Marked \* are Milled Soaps

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Telegraphic Address—"BLUEBERRY LONDON." (Near the Tower Bridge and the Docks.)  
Customers calling and selecting their own Goods to the value of £5 and upwards will be credited with cost of Cab Hire from City if incurred.

Telephone No. 392, Avenue.

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Perfume Manufacturers,  
CANNES-GRASSE, FRANCE.

ESTABLISHED 1820.

GOLD MEDALS—PHILADELPHIA, 1876; CANNES-GRASSE, 1893; NICE, 1884.

## FRENCH ESSENTIAL OILS, PURE OLIVE OILS, POMADES, &c.

SPECIALITY—Finest Quadruple Extracts of inimitable and lasting Fragrance.

LONDON BRANCH:

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## EXTRA DOUBLE EAU DE COLOGNE

MANUFACTURED by a DESCENDANT of the ORIGINAL INVENTOR.

FACSIMILE OF LABEL.

EXCELLENT QUALITY.

—  
Insist on the  
URSULA KLOSTER BRAND.



In 2-oz. and 4-oz. Bottles,  
also in  
½-pint, 1-pint, and 2-pint  
Wicker Bottles.

TO BE OBTAINED OF ALL LEADING WHOLESALE HOUSES, OR OF  
**G. GREINER & CO., 10 & 12 MILTON STREET, LONDON, E.C.**

**BERGMANN & CO., DRESDEN,**  
PERFUME AND TOILET SOAP FACTORY.

SPECIALITIES:

No. 406, White and Rose Soap, 3 ounces each piece	..	per gross 13/-
403 " " " 4 "	..	16/-
" 416, White Almond Soap, 3 "	..	16/-
foil paper ..	..	16/-
417, Ditto ditto 4 "	..	27/-
696-8, Lanolin, Glycerin, Vaseline, superfatted Soap	..	15/-
412, &c. Cold Cream	..	17/-
711, Best Flower Toilet Soap, 3½ ounces, oval shape, in different scents ..	..	17/6
658, Ditto ditto ditto flat shape ditto ..	..	17/6
658A, Ditto ditto 3 ounces, ditto ditto ..	..	16/-
BUTTERMILK COMPLEXION SOAP, 3½ ounces each piece ..	..	17/-
BUTTERMILK COMPLEXION SOAP, IN BALLS ..	..	from 18/- to 24/-
DOUBLE EXTRAIT PARIS, in bottles of 18 ounces weight, in all scents ..	..	6/-
Perfume in neat bottles from 1/6 per dozen upwards. Also Soaps and Perfumes at lower and higher prices. Also, as advertised in different papers Bergmann's Lily-Milk Soap, sale price, 6d. per piece.		

Our prices are Carriage Paid.

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SOLE AGENT FOR GREAT BRITAIN.

## SHADEINE.

For Colouring the Hair. Sold in 6 tints, one liquid.

8d. Sample size ..	..	4/- per doz.
3/6 Large ..	..	28/- "
10 6 Extra ..	..	84/- "



[COPRIGHT]

**ALEXANDRE, 30 WESTBOURNE GROVE, LONDON.**

**SAMPLES** Supplied to  
the Trade  
on pretty hanging Showcards at  
4/- per doz.  
This Popular Article  
is Largey Advertised  
and kept at all Whole-  
sale Houses

Agents Wanted.

# SOZIO AND ANDRIOLI.

ESTABLISHED A.D. 1757  
GRASSE (FRANCE).

## NOUVELLE RÉCOLTE ESSENCE DE NÉROLY.

POMMADÉS ROSE ET ORANGE.

EAUX DE ROSES ET DE FLEURS D'ORANGER.

## NOUVELLE SPÉCIALITÉ.

## EXTRAIT ROYAL AMBRÉ.

# FRENCH PERFUMES

OUR WELL KNOWN AND VERY SUPERIOR COMPOSITIONS

STOCK KEPT IN LONDON.

Sole Agent MR. FREDK BOEHM 16, JEWRY ST. LONDON. E.C.

GUARANTEED TO CONTAIN ARSENIC.



"No. 54 ALTERMARTH"

(ORIGINAL HAUS)

## EAU DE COLOGNE

SUPERIOR TO ANY OTHER BRAND.

Of all Wholesale Houses, and the Sole Agents for United Kingdom and the Colonies—

VAN OPPEN & CO.  
HACKNEY, LONDON, N.E.

## BRECKNELL'S

PRIZE MEDAL.

Recommended by  
Eminent Medical Men.

## SKIN

Unscented,  
yet  
Sweet as a Rose.

Although low in price, it ranks with high-class soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

The longer it is kept the more it improves and increases in value.  
LIBERAL TERMS TO THE TRADE.

## SOAP.

BRECKNELL, TURNER & SONS, LIMITED,  
To Her Majesty, &c., &c.  
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ESTABLISHED 1802.

# SYNTHETIC & OTHER PRODUCTS

MANUFACTURED BY THE

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# W. J. BUSH & CO.

(LIMITED),

ARTILLERY LANE, LONDON,

## SOLE VENDORS for the ENTIRE WORLD

### AUBEPINE S.A.F. (Mayblossom)

Powder.  
Liquid.

### ŒILLET S.A.F. (Carnation)

An entirely new perfume, and most true in character and exceedingly strong. Especially adapted for use in perfumery and scented soaps (milled process).

### COUMARIN S.A.F. (Tonquin)

### GARDENIA S.A.F.

A new perfume; most true in character and exceedingly strong. Recommended for use in perfumery and scented soaps (milled process).

### HELIOTROPINE S.A.F. Special Quality

### OIL OF LEMON S.A.F. Synthetic Terpeneless

This is an entirely new product, and perfectly true in perfume and flavour. It is about 15 to 20 times stronger than the best qualities of Oil of Lemon, and 40 to 50 times stronger than the cheaper kinds. For use in Confectionery and Biscuits it is most economical and advantageous in every way.

### MUGUET S.A.F. (Lily)

### NEROLIN S.A.F.

Highly suitable for perfuming soaps; is exceedingly powerful, and works out exceptionally cheap in use.

### OIL ROSES S.A.F. (French A)

“ “ ( “ B)

This is a synthetic Otto of Roses, and valuable as an economical substitute.

### QUARANTAINE S.A.F. (Pinky)

### ROSE MOSS “

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These Roses are manufactured by a patented process, and are very true in character. Especially adapted for use in perfumery and scented soaps (milled process).

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As a considerable fall has taken place in the price of this article, please ask for quotations before ordering.

# JAKSON'S Lavender Water

A One Shilling Bottle of this Perfume  
guaranteed to contain more value in  
Lavender than a Pint of that as  
usually sold.



*John Jackson & Co.  
MITCHAM*

To obtain the  
genuine see name  
on each bottle.

THE  
LARGEST  
GROWER  
AND  
DISTILLER  
\* AT \*  
MITCHAM.

OVER 500 ACRES IN CULTIVATION

**S. MAW, SON & THOMPSON'S**

BEST QUALITY

# TOOTH BRUSHES

**72/- per Gross.**



Each Bearing Trade Mark and  
Warranted.



NO CHARGE FOR STAMPING WITH NAME OF  
CUSTOMER, WHEN NOT LESS THAN 1 GROSS OF ANY  
PARTICULAR BRAND ARE ORDERED.

**3/9 & 7/-**  
Carbolic  
**MAW'S**  
**TOOTH PASTES**  
(( ))

**3/9 & 7/-**  
Arecanut

**WHITE ROSE**  
12/- & 20/- per doz.

**RED or WHITE**

**8/6**  
Aromatic

**CHERRY**  
3/9 & 7/-

**Camphorated**  
**3/9 & 7/-**



**S. MAW, SON & THOMPSON, LONDON.**

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***Distillers and Importers,***

Head Distillery at  
CANNES (France).

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Trade Mark J.G.D.

Telegrams: "JEANCARD LONDON."  
Telephone Number, 11955.

## ESSENTIAL OILS

OF ALL KINDS.

**MUSK, CIVET, AMBERGRIS, ATTAR-OF-ROSE.**

***Natural Concentrations of Flowers.***

**POMADES, FLORAL EXTRACTS,**

**ROSE AND ORANGE WATER,**

**Ess. Oils of Lemon, Orange & Bergamot.**

The NEW SEASON'S NEROLY OIL is now being Distilled.

*Before Ordering Elsewhere Communicate with us.*

We have GENUINE OIL at a FAIR PRICE.

BRANCH DISTILLERIES in the Alps for Peppermint  
and Lavenders.

Also in Africa and Bourbon for Geranium.

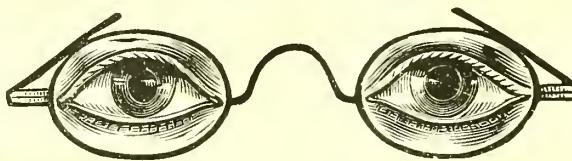
STOCKS KEPT IN LONDON OF ALL STANDARD QUALITIES.

# BOTWRIGHT & GREY,

## MANUFACTURING OPTICIANS

(WHOLESALE AND EXPORT ONLY),  
**CLERKENWELL, LONDON, E.C.**

Spectacles and Eyeglasses in all metals, Spectacle and Eyeglass Cases, Field, Marine, and Opera Glasses, Telescopes, Barometers, Thermometers, &c., Eyeglass Chains and Cords. We invite the inspection of intending purchasers.



Repairs, Odd Orders and Surgeons' Refraction Prescriptions accurately prepared by return of post. Special attention is given to Chemists commencing, and instruction is given free in Sight Testing by one of the principals, till efficient, if desired.

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## PHOTOGRAPHIC MOUNTS AND ALBUMS.

BEST QUALITY. LOWEST PRICES.

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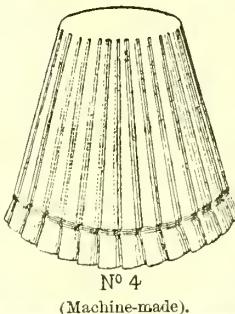
**MAXWELL, BAYES & CO.**, Reliance Works, GAINSBOROUGH, LINCS.  
SAMPLES AND PRICES ON RECEIPT OF TRADE CARD.

Every CHEMIST, DRUGGIST, and MANUFACTURER should use

## DAILLEY & WILKINSON'S PLEATED PAPER BOTTLE-CAPS.

Great Reduction in Prices.

Nos. 0, 1, 2, 3, 10, 20, 30, 3B, }	at 5d. per gross.
for Phials ...	... }
„ 4, 4B, 40 (3 to 6 oz.)	7d. „
„ 5, 5B, 50, 5½ (8 to 10 oz.)	8d. „
„ 6, 6B, 60 (Pints)	10d. „



Quality and Colours Guaranteed.

Samples can be had on application through Wholesale Houses, or direct.

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**BOORD & SON,**  
DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS.  
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Quotations for S.V.R. Methylated Spirit and Finish on application.  
FINEST ORANGE WINE FOR QUININE.

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We are prepared to supply METHYLATED SPIRIT in 5-gallon quantities at Lowest Prices.

**JONES & COMPANY,**  
COPPERFIELD ROAD,  
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LARGEST MAKERS IN THE KINGDOM.

**REDUCTIONS TO LARGE BUYERS.**  
SAMPLES FREE.

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## THE NEW TOILET SOAP.

HUGGINS' SOAP WORKS, Lim., are now appointing Agents amongst respectable Chemists in all the leading towns in the United Kingdom.

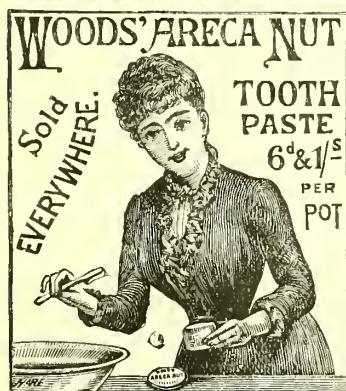
Unprecedented favourable terms to the first Three Hundred appointed.

Apply, **HUGGINS' SOAP WORKS, LIM.**  
**GRAVESEND, KENT.**

**CLAUDE RAYNAUD & CO.**  
**GRASSE, FRANCE.**

**Raw Materials for PERFUMERY, ESSENTIAL OILS,  
CONCENTRATED FLORAL EXTRACTS,  
FLAVOURING ESSENCES for CONFECTIONERS ("DELICIOSA" BRAND),  
COMPOUND PERFUMES for SOAPMAKERS.**

F. DUBOC, Sole Agent for the United Kingdom, DUNEDIN HOUSE, BASINGHALL AVENUE, LONDON, E.C.



Largest  
Sale in the World.  
Hundreds  
of Testimonials.  
Have no Substitute.  
Also in Collapsible  
Tubes, 1s. each.

**WOODS,  
PLYMOUTH.**

Removes Tartar, Whitens the Teeth, Sweetens the Breath, and Checks Decay.

**SUPPORT HOME INDUSTRIES.**



**BUY  
KENT'S  
BRUSHES.**

See pp. 209-12, Summer Issue, 1896; also Diary, 1897, pp. 160, 161, 162, 163.

# MASON'S EXTRACT of HERBS

Makes the  
Finest Beverage  
in the World.



Good! it's Mason's.

FOR MAKING  
NON-INTOXICATING  
BEER  
IMITATED, BUT  
NOT EQUALLED.

One Table-spoonful of Mason's  
Extract of Herbs makes One  
Gallon of splendid Beer.

# 4 GOLD MEDALS

Do not be persuaded to buy any other kind, as the market is now flooded with vile rubbish, most of which contain no Herbs at all, and will not produce the same result. We guarantee ours to be  
COMPOSED OF HERBS.

**HANDBILLS, SHOWCARDS, &c., ON RECEIPT OF BUSINESS CARD.**

SOLE MAKERS—

**NEWBALL & MASON**  
NOTTINGHAM.  
AGENTS WANTED.

Telegrams—  
"EXTRACT NOTTINGHAM."

[ Telephone No. 1532.

# PETER TYRER'S 1d. LINES

CHEMISTS SAVE TIME AND MONEY

By selling my "Plain Label" \* Lines. Should remit prices quoted for sample  $\frac{1}{2}$ -gross lots. If not satisfactory, I will pay carriage back, and return cash.

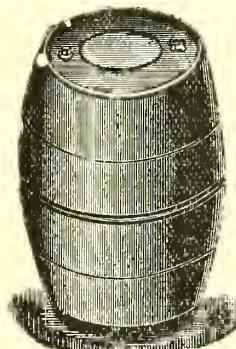
* PENNY PETROLEUM JELLY	Per gross	PENNY INSECT POWDER	Per gross
In $\frac{1}{2}$ -gross tin boxes	6/-; double size, 7/6	In perforated tins	6/-
PENNY CEMENT (largest and best)	On $\frac{1}{2}$ -gross cards	* PENNY (Tasteless) PILLS	Per gross
5/-	6 in a box, $\frac{1}{2}$ -gross cards	6/-	6/-
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at 5/6			
PENNY LIQUID GLUE	On $\frac{1}{2}$ -gross cards	* PENNY SOOTHERS	
at 5/3		Black Tents, fitted complete with Shield, Union, and Cord, on $\frac{1}{2}$ -gross cards at 7/-; this is a good line, and sells freely	
* PENNY GUMS	In 1-dozen parcels	* PENNY TOOTH TINCT.	With Wool complete, $\frac{1}{2}$ -gross cards
at 6/3		6/-	6/-
* PENNY GLYCERINE	$\frac{1}{2}$ -gross glass-front boxes	* PENNY CORN SOLVENT	On $\frac{1}{2}$ -gross cards
at 6/-		PENNY CAMPHOR SQUARES	6/-
* PENNY CASTOR OIL	$\frac{1}{2}$ -gross glass-front boxes	* FULLER'S EARTH POWDER	7/-
at 5/6		1d. Boxes, in $\frac{1}{2}$ -gross glass-top boxes	8/6
* PENNY BLACK INK	In 1-dozen parcels	* VIOLET POWDER	1d. Boxes, in $\frac{1}{2}$ -gross glass-top boxes
at 4/3		* GOLD-BEATER'S SKIN	1d. Packets, on $\frac{1}{2}$ -gross cards
* GOLDEN PETROLEUM JELLY	Per doz.	* COURT PLASTER	1d. Packets, on $\frac{1}{2}$ -gross cards (Black, White, or Pink)
1/oz. glass, metal screw cap	3/-	* TOOTH ENAMEL	1d. Packets, on $\frac{1}{2}$ -gross cards
5/-	5/-	(Gutta Perche Enamel for Stopping Decayed Teeth)	4/-
This is warranted pure, and is a thoroughly good line			
* PENNY HAIR OIL	Per gross		
In 1-dozen parcels	at 5/8		
PENNY FURNITURE CREAM	In 1-dozen parcels		
at 6/9			

For sums under £1 please remit Postal Order, not Cheque, and oblige,

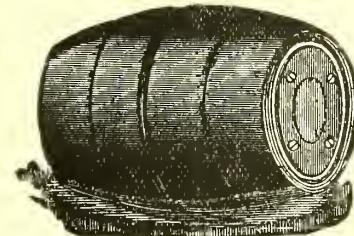
PETER TYRER, 30 Southall Place, Long Lane, LONDON, S.E.

## CAIRD'S STAMPED STEEL BARRELS

NO COOPERAGE, NO LEAKAGE, NO LOSS BY EVAPORATION.



Are less Dangerous than  
Wood Barrels.



CORRESPONDENCE INVITED.

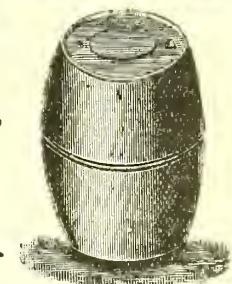
SOLE MANUFACTURERS,

IRON & STEEL PLANT CO.

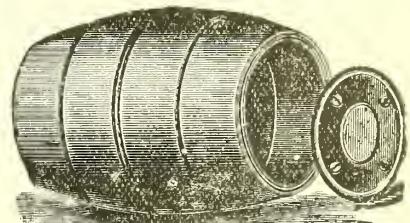
LIMITED,

10 & 11 AUSTIN FRIARS,  
LONDON, E.C.

WORKS—Barrow-in-Furness.



Occupy Less Space,  
are Stronger  
and more Durable  
than Wood Barrels.



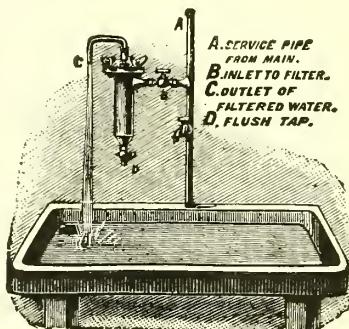
# THE BERKEFELD FILTER.

"These Filters represent the greatest progress made in the construction of Filters during the last 10 years."—DR. PLAGGE.

In the Berkefeld Filter the filtering medium is in the form of hollow cylinders or candles of various sizes, made of Kieselguhr, a substance which, on account of its enormous porosity, consisting as it does, of the silicious skeletons of diatoms, is an ideal filtering medium.

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to the  
British  
Pharmacopeia

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EDME  
MALT EXTRACT  
AND  
HYPOPHOSPHITES  
EDME  
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to the  
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Pharmacopeia

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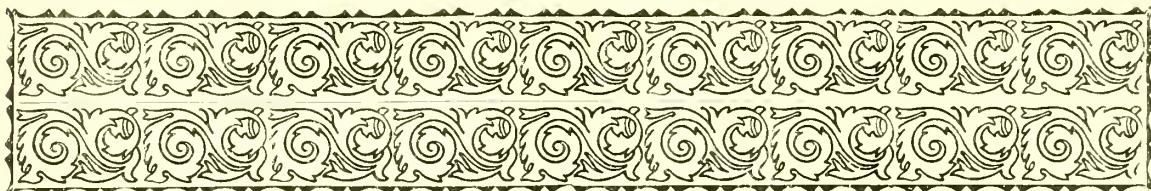
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Lymphatic Gland Substance, grs. 2½	...	"	48	0	
Mammary Gland Substance, grs. 5...	...	"	36	0	
Ovarian Substance, grs. 5	...	"	60	0	
Ox Bile, grs. 4...	...	"	24	0	
Pig Bile, grs. 4	...	"	24	0	
Pituitary Gland Substance, grs. 2	...	"	48	0	
Prostate Gland Substance, grs. 2½	...	"	36	0	
Residuum Rubrum, grs. 5	...	"	12	0	
Spinal Cord Substance, grs. 2½	...	"	24	0	
Spleen Substance, grs. 5	...	"	24	0	
Suprarenal Gland Substance, grs. 5...	...	"	54	0	
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Thyroid Gland Substance, grs. 1½	...	"	10	0	
"	grs. 5	"	24	0	

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PILL CONSISTENCE  
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IN PINT and HALF-PINT BOTTLES.

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A Cough Specific for Children.

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A similar  
preparation to the  
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FOOD  
MALTÉD,  
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COD LIVER OIL  
WITH THE HYPOPHOSPHITES.

Emulsion of Petroleum  
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# IRISH SUPPLEMENT TO THE CHEMIST AND DRUGGIST

No. 7.

SATURDAY, JULY 3, 1897.

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## CORK CLUB-DOCTORS.

THE long-standing dispute between medical practitioners of Cork and the local clubs has been settled during the past month. It is so fraught with points of importance to all connected with medical practice, and has been such a stubborn fight, that a succinct record of it cannot be out of place in the IRISH SUPPLEMENT TO THE CHEMIST AND DRUGGIST. We have to go back to December, 1894, to get to the beginning of the affair. At that time the club-doctors, wishing to remedy some of the abuses which had crept into the system of supplying medicines and giving medical attendance, drafted a series of rules which embodied a suggestion that the scale of remuneration should be in proportion to the members' income, the minimum fee to be 7s. 6d. per annum if the income was under 100*l.*, or 15*s.* if under 200*l.* for medical attendance only. Other rules regulated fees for midwifery, operations, &c., and the tenure of club appointments. These rules were confirmed by the Medical Society and the South of Ireland Branch of the British Medical Association, and, finally, the entire profession in Cork unanimously adopted them. They were afterwards submitted to the various friendly societies of the district—thirty-one altogether—with an estimated membership of 20,000, who with equal promptitude rejected them. An attempt at reconciliation was made, but without result. The doctors afterwards sent in their resignations, and the dispute reached an acute stage, the result being that the clubs endeavoured to attract other medical men from a distance to take the place of the local practitioners. Dr. O'Sullivan was one who stepped into the breach, and he paid dearly for it, being severely handled by a number of medical students, who set upon him while on his round of visits and so maltreated him that he had to seek police protection. Many young doctors who were at first disposed to offer themselves as candidates for appointment as medical officers declined to

proceed when the facts became known to them. We gather that the ground of the chief complaint arose through the absence of a wage limit in the rules and the smallness of the fee. The admission of the well-to-do to the medical benefits of the artisans' clubs was also a source of irritation. A letter in the *Cork Constitution* from a member of one of the friendly societies asserted that—

Gentlemen in this city, to my knowledge enjoying incomes close upon 1,000*l.* per annum, have been so mean as to join societies and avail themselves of the medical services of experienced physicians at the rate paid by artisans.

A leading medical journal investigated what fees had been paid by members, and found that the yearly fee for medicine and medical attendance ranged from 8*s.* to 15*s.*, the majority being midway. This works out to about 2*d.* per week—very poor remuneration for attendance on a man, his wife, and family.

The friendly societies considered that a wage limit would drive out of their associations their most thrifty and successful members who rarely claimed sick-pay. Also that it was an attempt on the part of the doctors to break up legitimate clubs and societies. The lead in the strike was taken by the Cork and South of Ireland branch of the British Medical Association. In January, 1895, a deputation from this branch explained to the Council of the B.M.A. the exact position taken up by the medical men. After discussing the *pros* and *cons*, the Council passed a resolution strongly condemning the admission of improper persons as members of medical-aid societies. A fund was also opened at this time by the branch in order to afford pecuniary assistance to the medical men who had resigned their positions, many of them being largely dependent upon the societies for their living. The total income so resigned was about 1,000*l.* per annum.

Some of the chemists in Cork were also dragged into the dispute, as they notified their intention to cease supplying the societies with medicines. This obstacle was shortlived, as one chemist came forward and offered to supply on the old terms.

In March, 1896, some unexpected animation was imported into the controversy by the announcement that the trained nurses of Cork had declined to attend patients who were under the treatment of society doctors, the local medical men having threatened to "boycott" the nursing institutions if they learned that nurses were sent to members of associations. At this period it was reported that there was a favourable prospect of an understanding being arrived at;

A

but nothing of a tangible nature resulted until April this year, when the dispute entered upon a new phase. A considerable number of members of two of the largest societies sought to be enrolled as members of a private club, to be conducted by Dr. Lee, a well-known local man, they offering to pay 4*l.* per week, and agreeing to a stipulation that no member should be eligible who earned more than 100*l.* per annum. This proposal has been submitted to the local profession and has their approval.

So the long-drawn out dispute has terminated. The scheme will be under the protection of the British Medical Association, and will be managed by an equal number of medical and lay members. The " strikers " are to be reinstated in their old positions.

## Pharmaceutical Council.

AT the meeting of the Council held at 67 Lower Mount Street, Dublin, on June 2, the business done was comparatively light. After electing Mr. W. D. Porter to the vacancy created by Mr. Charles Evans's retirement, the Council discussed very freely the Lord Lieutenant's action in reducing to 3*l.* the penalty imposed upon the Enniscorthy Agricultural Society (Limited) for selling poisonous sheep-dip. The President somewhat indignantly referred to the fact that the Enniscorthy Society had been supported by a memorial from the Magistrates who decided the case, some of whom were members of the defendant company, and were, in fact, the real defendants themselves. According to the evidence of Professor Tichborne, enough arsenic was sold in that case to have poisoned 1,600 people; yet the Castle authorities seem to consider the offence a small one. That prosecution cost the Council 12*l.*, but they will only now receive 3*l.* That was not much encouragement to them to carry out the Acts. It was a matter for grave consideration whether they ought to institute prosecutions at all, if the Castle authorities would not allow offenders to be punished. Later, Mr. Wells got out his little joke at the expense of the company, the chairman of which, he said, was one of the Magistrates, and he had not the manliness to sign the memorial himself, but let the vice-chairman, Mr. Codd, sign it. The name of the secretary of the company is Death, so the whole thing meant "death" to the Society and a "codd" to the law. Whereat the Councillors laughed and passed on to the next business, which was the Jubilee address to the Queen.

Mr. Henry Arthur Giles Hadden, L.A.H. (1895), L.R.C.P. & S.E. and L.F.P.S.G. (1891), wrote requesting to be registered as a pharmaceutical chemist. His letter stated that he was proprietor of Hadden's Medical Hall, Wexford; and he sent a form of declaration with regard to his apprenticeship with the late Mr. Webb, L.P.S.I. The President said the Act required that any apothecary who sought to be registered as a pharmaceutical chemist should have obtained his diploma as an apothecary under the Apothecaries' Act of 1791. He questioned if Dr. Hadden filled that requirement, and after some discussion it was resolved that the application be not complied with until Dr. Hadden shows that he is a licentiate of the Apothecaries' Hall under the provisions of their Act of 1791, and also pending the reply of the Apothecaries' Hall to the deputation of the Council who waited on them.

A few other items of interest may be referred to—viz., the case of a bankrupt druggist whose business is in the hands of the Official Receiver, who has appointed a manager for it. Is the Official Receiver or the manager liable under the Pharmacy Acts? The Official Receiver explained that the business is a hardware one chiefly, and the debtor himself looks after the drug department, which the Council considered a satisfactory arrangement. The next item referred to the awkward questions which Dr. McWalter had put to the Council regarding company pharmacy, upon which it was resolved, on the recommendation of the Law Committee, that Dr. McWalter be informed that these were questions which would have to be decided by a court of law, when they should arise, and that it was not for the Council to express or furnish opinions about them. Finally, Mr. Bernard suggested

that licentiates and druggists should have better notice of vacancies on the Council, so that they might have the opportunity of giving their advice about the filling-up of the positions.

## Ireland and the B.P.C.

ON Thursday, June 17, a joint meeting of the members of the Ulster Pharmaceutical Society and of the Irish Chemists' and Druggists' Society was held at 10 Garfield Chambers, Belfast, to consider the advisability of inviting the British Pharmaceutical Conference to hold the 1898 Conference in Belfast, and also appointing delegates to present the invitation at the forthcoming Conference in Glasgow. On the motion of Mr. W. J. Rankin, seconded by Dr. Fielden, Mr. J. G. Guiler was voted to the chair. Mr. R. W. McKnight stated that apologies had been received from Sir James Haslett, M.P., Messrs. J. C. C. Payne, J.P., Samuel Gibson, J. J. Haslett, jun., and John Watson.

### THE GUARANTEE FUND.

Mr. Rankin and Mr. McKnight reported that in response to the circular sent out to the trade a most enthusiastic reception had been given to the proposal, not only by the wholesale houses, but the pharmaceutical chemists and chemists and druggists had responded with subscriptions varying from 1*l.* up to 20*l.* The result pleased the meeting highly, especially as many returns have yet to be received.

### THE INVITATION.

Mr. P. J. Lyons, M.P.S.I., said the report showed unmistakably that the trade generally were desirous that an invitation should be sent from Ulster to the British Pharmaceutical Conference to visit Belfast next year. (Hear, hear.) He believed it would do the trade all over a great deal of good, and at the same time it would confer a great honour on Ulster. He believed that they would be in a position to give the Conference an Irish welcome. They would also be able to provide excursions and other means of entertaining the members of the Conference, and show the visitors some of the grandest scenery in the world. (Hear, hear.) He then moved—

That this meeting, composed of pharmaceutical chemists and chemists and druggists, give the British Pharmaceutical Conference a cordial invitation to visit Belfast in the year 1898, and that we appoint Sir James H. Haslett, M.P., and Messrs. J. C. C. Payne, J.P., Samuel Gibson, and R. W. McKnight to attend the Conference meeting at Glasgow in August next to give the invitation on behalf of the joint Societies.

Dr. Fielden seconded the motion. He said he was certain that the members of the medical profession who were licentiates of the Pharmaceutical Society would join heartily in the invitation extended to the Conference. He would endeavour to enlist the sympathy of his medical friends in the movement, and had not the slightest doubt that the Conference would be a great success in Belfast.

The Chairman, in putting the motion, said the Guarantee Fund showed clearly that the trade desired to see the Conference in Belfast next year.

The motion was passed unanimously.

On the motion of Mr. McKnight, seconded by Mr. Moffit, a

### GENERAL ARRANGEMENTS COMMITTEE

was appointed, consisting of the following seventy-two gentlemen:—

Acheson, S., Belfast	Clotworthy, S., Belfast
Acheson, J., J.P., Portadown	Connor, J. E., Newry
Allen, J., Lisburn	Dobbin, W. C., Belfast
Backhouse, H., Dundalk	Doig, William, Belfast
Baxter, J., Ballymoney	Elliott, D. W., Belfast
Baxter, W. I., Coleraine	Fielden, V. G., M.D., Belfast
Berry, A., Larne	Gibson, S., Belfast
Boggs, J. G., Portrush	Gibson, W. J., Belfast
Bonner, S., Ballymena	Gillespie, Thos., Banbridge
Cambridge, R., Carrickfergus	Green, T., Belfast
Campbell, John, Belfast	Guiler, J., Belfast
Campbell, R., Belfast	Hanna, W., Bangor
Clements, A., Cootehill	Haslett, J. H., Belfast

Haslett, Sir James H., M.P., Belfast	Nicholl, J. W., Belfast
Hodge, Professor, M.D., Belfast	Nicholl, S. C., Belfast
Hogg, H. R., Belfast	Payne, J. C. Chas., J.P., Belfast
Hogg, James, Belfast	Pring, H., Belfast
Jamison, William, Belfast	Prior, H. M., Londonderry
Lancashire, H., Ballymena	Reid, S. M., Belfast
Lynas, W., Belfast	Reynolds, T. W., Dungannon
Lyons, P. J., Belfast	Richardson, J., Belfast
Lyttle, William, Belfast	Scott, A. C., Portrush
Macartney, W., Belfast	Shanks, J. B., Hollywood
McAdam, T. J., Omagh	Shaw, J. H., Belfast
McClements, J., Newtownards	Spence, Robert, Castleblaney
McCra, John, Newry	Suffern, S., Belfast
McDowell, S., Belfast	Tate, J., Belfast
McKinney, Dr. D. J., Belfast	Turkington, S., Belfast
McKnight, R. W. (Hon. Sec.)	Tweedie, Dr. D. H., Belfast
McMullan, Thos., Belfast	Ward, Dr. J. S., Lisburn
Madden, W. J. H., Belfast	Watson, John, Belfast
Maxwell, William, Derry	Whitaker, Dr. H., Lisburn
Miskelly, J. K., Belfast	Whitla, M. R., Monaghan
Moffit, T. N., Belfast	Whitla, Professor W., Belfast
Montgomery, J., Belfast	White, Thos., Belfast
Morrow, R., Belfast	Yoxall, H., Belfast

## News of the Month.

The Preliminary Examination of the Irish Pharmaceutical Society will henceforth contain elementary theoretical chemistry as a compulsory subject. Dublin Castle has so agreed, following the resolution of the Pharmaceutical Council.

\* \* \* \* \*

**New Irish Poisons.**—In accordance with a resolution passed by the Royal College of Physicians in Ireland in January last it has been ordered by her Majesty's Privy Council that phenol, commonly called carbolic acid, all oxalates, biniodide of mercury, and preparations of strychnine shall be deemed poisons in accordance with the provisions of the "Act to Regulate the Sale of Poisons in Ireland."

\* \* \* \* \*

**The C. & D. of June 26**, referring to the foregoing, says:— "It will be noted with satisfaction that the Government authorities in Ireland have agreed to the Royal College of Physicians' proposal that carbolic acid should amongst other things named be treated as a poison, and henceforth it may only be sold by legally qualified persons. This is a timely regulation, and may help to induce the medical advisers of the Privy Council to accede to the suggestion made by the British Pharmaceutical Society, and supported by coroners, medical authorities, and all who have studied the subject seriously, to place the acid upon the poison schedule."

\* \* \* \* \*

Drug-contracts have not figured largely in the pharmaceutical horizon during the past month, and we have not much to say on the subject. The Lismore Board of Guardians have passed a resolution requiring their drug-contractor to sign an agreement to supply at wholesale price any medicines required which are not included in the official list, the price to be the same as that quoted by any large English drug-firm. Although adopting this sensible resolution, the Board would not listen to a suggestion that local men should have the preference, and gave the contract to Messrs. Leslie & Co. The Gorey Board of Guardians are so pleased with the way that Mr. William Cooke, their medicine-contractor, serves them that they have minuted the fact. The excessive cost of medicine in the North Dublin Union as compared with the South Dublin Union is agitating the Guardians of the former institution, and the Local Government Board has been asked to inquire into the matter.

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**The Alkali Act** extends to Ireland, and under it Messrs. Fennor, proprietors of the Little Ireland Chemical-works, have during the past month, at Cork Quarter Sessions, been fined 6d. each day for a period of four days during which they carried on business without being registered under the Act. They were also charged with having failed to use

proper means of preventing the discharge into the atmosphere of all noxious gases from their factory; but they explained to the Magistrates that they use the water-system, and the case was adjourned until the evidence of skilled chemists could be got.

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**Mrs. Alicia Seymour**, the owner of the Ennis Medical Hall, died suddenly of heart-disease on June 5.

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**A Serious Fire** has damaged the shop of Mr. T. B. Gorman, registered druggist, Bangor, co. Down, to the extent of 600*l.* Fortunately, Mr. Gorman had the premises well insured.

\* \* \* \* \*

**Mr. Thomas Lemon**, pharmaceutical chemist, Market Hill, co. Armagh, was married to Miss Maxwell Fitzpatrick, at St. Andrew's Church, Belfast, on May 31.

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**Mr. J. L. Hogan**, assistant at Messrs. Grahams' State Pharmacy, 30 Westmoreland Street, Dublin, who, in May, rescued the Rev. Mr. Lynch from drowning at Sandy Cove, has had the Royal Humane Society's award conferred upon him.

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**In a Jubilee Sermon** at Dublin the other day the Rev. Canon Neligan, D.D., Leeson Park, said that of late years the unpleasantness of medicines had been reduced to a minimum, and owing to the introduction of concentrated drugs a much smaller quantity sufficed. Doctors, he said, were learning to prescribe something other than mere drugs the efficacy of which was not always assured; there was nowadays no priesthood about medicine, and a little of it went a long way. Men were getting to know and take what they most needed in a remedial way.

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**Going to the Fountainhead.**—On Friday morning, June 25, Dr. Quinlan, of the Catholic University School of Medicine, Dublin, took his pharmacy-class to see the laboratories and mill-rooms of Messrs. P. A. Leslie & Co., wholesale druggists, Bride Street. The students, including two ladies, saw the manufacture of extract of belladonna from crushing the leaves to the final stage of evaporation. They also saw the distillation of ether, which was being carried on at the time. One of the partners assisted Dr. Quinlan in showing his class round. The Messrs. Leslie are always pleased to see any medical or pharmaceutical students, and to give them for the study of pharmacognosy specimens of drugs rarely seen behind the retail counter.

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**The Apothecaries' Hall Examiners** recommended by the Hall were not accepted by the General Medical Council, who to the bitter end opposed the Hall in its endeavour to complete its Board. The Council has been stubborn in this matter, and has gone clean against the advice of its legal advisers, who rather scored by telling the Council so in a roundabout way. Professor Tichborne (the Hall's representative on the Council) and Sir John Banks moved that Drs. L. Hepenstal Ormsby and Frederick Conway Dwyer should be appointed assistant examiners; but the matter was referred to a committee, and acting on their report the Council appointed Messrs. Arthur Chance, F.R.C.S.Irel. (Merrion Square West, Dublin), and Henry Alexis Thomson, M.D.Edin., F.R.C.S. (32 Rutland Square, Edinburgh), the remuneration to be 5*l.* 5s. *per diem* while engaged in the examination, 1*l.* 1s. *per diem* for hotel-expenses, and first-class railway and steam-boat fares.

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**Penal Servitude for a Druggist's Bookkeeper.**—At the Dublin City Commission, on June 18, Frederick Naar, bookkeeper to McMaster, Hodgson & Co., druggists, Capel Street, Dublin, was charged with embezzling certain sums of money belonging to his employers, and forging documents to cover his dishonesty. During the indictment it was stated that the prisoner had fallen into bad company, and lost money, which he was unable to pay out of his salary. The accused pleaded guilty, and threw himself on the mercy of the Court. Mr. Justice Andrews, in passing sentence, remarked that a series of very extensive frauds had been committed by the prisoner, who was a man of

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considerable intelligence, and knew perfectly well what he was doing. His record, moreover, was not altogether without impeachment, and, having regard to the gravity of the case, he would sentence him to four years' penal servitude. The prisoner, who was much affected, was removed from the dock.

\* \* \* \*

Professor Charles Tichborne, M.P.S.I., has communicated some original ideas regarding microbes in sewers to the Royal Academy of Medicine in Ireland. He thinks that microbes can be carried by a condensed vapour exactly represented by ordinary dew. At certain hours of the night, just as the rising vapour is seen settling as dew in a valley, the temperature of the water-laden vapour of sewers is lowered by being met by the layer of cold night air through the open traps, which determines a dew-point in the sewers themselves. He has found from actual experiment that the temperature of the sewer-water as it flows from the large sewers is generally 2° or 3° above the temperature of the night air. Each particle of dew becomes a raft which carries microbes upon its surface for miles, and as the sun's warmth dissipates the morning dew the water-raft disappears, leaving the microbe suspended in mid-air, perhaps in a dwelling-house where it has been carried through a warm shaft. As a remedy for this, Professor Tichborne suggests that sewers should be treated with insoluble disinfectants, of sp. gr. 0.850 to 0.950, so that they would float on the sewage. Carbolic acid and disinfectants heavier than water are useless, because the unaffected stream of sewage passes over their surface.

\* \* \* \*

**Royal Baking-powder.**—During the past month Messrs. William Dobbin & Co., chemists, of Belfast, have had to defend an action (which was really a test case) in the Belfast Summons Court under the Trade Marks Act, in which Wright, Crossley & Co., of Liverpool, stated that they had sold a tin of American baking-powder bearing on the label the words "Trade Mark 'Royal' Registered," while as a matter of fact it was not registered in the United Kingdom. It was not denied that the trade-mark was registered in the United States. For the defendants it was contended that the label stated that the baking-powder was manufactured in New York, and there was no attempt whatever to suggest that it was of British manufacture, and no attempt to imply that the label had been registered in Great Britain. The representative of the American company said the label upon the tin was word for word the same as had been registered in America, including the word "registered." He put in evidence certified copies of registration and design in the United States. Counsel for the prosecution, however, argued that if the American company were allowed to use the word "registered" they secured an unfair advantage over British traders. The presiding Magistrate dismissed the case, and allowed 20s. costs, but agreed to state a case for the superior Courts.

\* \* \* \*

**Mr. Bernard O'Connor, L.A.H.Irel.**, who was in practice as a medical man at Burnley, is in trouble, having been arrested there in the middle of June on a charge of unlawfully wounding his wife and attempting to commit suicide. He appeared as "a very gentlemanly-looking man, spotlessly attired, and having in his left hand a pair of kid gloves." When he was first brought before the Magistrates his wife was too ill to attend, and later her depositions were taken. She stated that about 11 o'clock on Saturday night (June 12) she went to bed, her husband following half an hour later. The room was in darkness. He lighted a candle, came over to her as she lay in bed, and stabbed her two or three times. He told her that he had stabbed her and had taken poison himself, and that they would die together. She bled a great deal. The next thing she remembered was that about 5 o'clock in the morning she found herself lying on the floor. Her husband was also on the floor. He gave her something to drink out of a jug. He was twitching, and she threw the remaining contents of the jug upon him to try to bring him round. Mr. O'Connor's solicitor stated that his relations are all in Ireland. On June 23 Mrs. O'Connor was able to attend, and she repeated the facts given in her deposition, and other evidence brought out the fact that Mr. O'Connor had taken strychnine. In the result he was committed for trial.

## Distinguished Irishmen.

IN the article on the "Drug-trade of the Victorian Era," printed in the *C. & D.* of June 19, some account is given of the foundation of the British Pharmacopoeia, in the promotion of which two distinguished Irishmen have played a leading part—viz., Sir Richard Quain, Bart., M.D., now President of the General Medical Council, and the late Sir Dominic John Corrigan, Bart., M.D., first President of the Pharmaceutical Society of Ireland. As the younger generation in the Irish drug-trade may not be so familiar with the life and work of the latter gentleman, we reproduce here the portrait of him, which was printed in *THE CHEMIST AND DRUGGIST* in 1875, just when he had taken the chair of the newly-formed Pharmaceutical Council.



SIR DOMINIC CORRIGAN, BART., M.D.

Sir Dominic's services to Irish pharmacists should never be forgotten. His position and influence on the side of those who were fighting hard for the recognition of pure pharmacy was of first-rate importance, and it was largely owing to him as the head of physicians supporting chemists and druggists that the first Irish Pharmacy Bill was enacted. Sir Dominic was born in Dublin in the second year of the century, and, after his education in Maynooth Lay College, he proceeded to the Edinburgh University to study medicine. There he distinguished himself, and became President of the Royal Medical Society, an association of medical students and young graduates who bestow their presidency upon the best of their Fellows only, and many a famous man has held the chair. His studies of the circulation were singularly good, and a certain kind of pulse is still known by his name. After graduating as M.D. he returned to Dublin, and as a lecturer and practitioner took front rank. A baronetcy was conferred upon him in 1866. He was a member of the General Medical Council, and sat in Parliament as member for Dublin City for some years. He died in 1880.

### SIR GEORGE F. DUFFEY, M.D., F.R.C.P.I.

Of the Jubilee honours few will give greater satisfaction to the Irish drug-trade than the knighthood conferred upon Dr. George F. Duffey, President of the Royal College of Physicians in Ireland, who represents the Privy Council at the Pharmaceutical examinations. Dr. Duffey is a graduate of the University of Dublin. In 1865 he entered the Army Medical Department, and after serving seven years resigned

his commission. He commenced practice in Dublin. In 1876 he was appointed Professor of Materia Medica in the Carmichael College of Medicine (the School of the Royal College of Surgeons), which position he still holds along with the chair of pharmacy.



SIR GEORGE F. DUFFEY, M.D.

Sir George Duffey was for four years inspector under the General Medical Council of the Final medical examinations, and was commissioned to report to the Council on the United Kingdom examinations in sanitary science. He has made numerous contributions to the medical societies and to the medical journals. He founded in 1871, and edited for two and a half years, the *Irish Hospital Gazette*, which was subsequently amalgamated with the *Dublin Journal of Medical Science*. He edited the sixth edition of Handsel Griffith's "Materia Medica and Pharmacy." Sir George Duffey married in 1871 the sister of Sir Charles Cameron, Bart., M.D., M.P. for Glasgow, his old college friend and fellow graduate. Our portrait of Sir George is from a recent photograph by Chancellor, of Dublin, and represents him in his presidential robes.

SIR WILLIAM MACCORMAC, M.D., F.R.C.S.

It is a curious circumstance that another Irishman occupies at present the presidential chair of the Royal College of

Surgeons of England. This is Sir William MacCormac, who has had his knighthood converted into a baronetcy. Like Sir George Duffey, he was an army surgeon once—or, rather, had charge of an ambulance during the Franco-Prussian War—and his book of "Recollections" has been translated into Dutch, French, German, Italian, Japanese, and Spanish. It was published in 1871. The following list of appointments, honours, and qualifications held by Sir William speaks for itself:—M.A. Queen's Univ. Irel. 1858; M.D., Q.U.I. 1857; M.Ch., Q.U.I. (*honoris causâ*) 1879; D.Sc., Q.U.I. 1882; F.R.C.S.Irel. 1864; F.R.C.S.Eng. 1871; M.R.C.S.Eng. 1857; Memb. Counc. and Court of Exam. R.C.S.Eng.;



SIR W. MACCORMAC, BART.

Fell. Roy. Med. Chir. and Med. Soc. Lond.; Memb. Path. and Clin. Soc.; Hon. Memb. Académie de Médecine de Paris, Roy. Acad. Med. Rome, and Roy. Med. Soc. Sweden; Hon. Fell. Med. Soc. Munich and Amer. Surg. Assoc.; Emeritus Lectr. on Clin. Surgery St. Thomas's Hosp. Med. Sch.; Consult. Surg. St. Thomas's, French, Italian, Queen Charlotte's, and Belfast Gen. Hospitals; Officier de la Légion d'Honneur, North Star of Sweden, Sao Thiago of Portugal; Ritterkreuz (1st class) Bavaria; Kron Orden, Germany (4th class); Medjidieh (3rd class); Knt. Com. Ord. Takovo, Dannebrog (1st class), and Crown of Italy. He has been a prolific writer, is a brilliant operator, and his wit is so keen that Scotchmen find the usual little surgical affair unnecessary when they are in his company.

A knighthood has also been conferred upon Mr. William Thomson, M.D., President of the Royal College of Surgeons in Ireland.

## MR. W. D. PORTER.

At the last meeting of the Council of the Pharmaceutical Society of Ireland Mr. William Dempsey Porter, pharmaceutical chemist, Phibsborough, was elected a member of the Council in succession to Mr. Charles Evans, resigned. A suggestion was made that a druggist should be elected, but a *nem. con.* vote put Mr. Porter in the vacant chair. His career predicates that he will represent both sections of the trade, for as a lad of 13 Mr. Porter was apprenticed to the late Mr. Samuel Boyd, 46 Mary Street, Dublin (now Boileau & Boyd, Limited), and remained with him for nearly eighteen years, during the last seven of which he was town representative. As soon as the first Pharmacy Act came into force, Mr. Porter began to prepare for the pharmaceutical licence, and passed the Preliminary examination on New Year's Day, 1877. He received his diploma in 1881. Mr. Porter commenced business for himself at Phibsborough in 1888, and has done very well in that rising Dublin suburb.



MR. W. D. PORTER.

## THE PATRONISING DRAPER.

"Chemists," says the superior person who edits the *Drapers' Record*, "are a most excellent and deserving class." We have no immediate intention of returning the compliment. In fact, we have never given much thought to the gentle ribbon-man. Perhaps he is a necessity, though we are not sure of that. Certainly a share of the abuse that is poured on the licensed victualler ought to be shared by the mercer. Who can say how many homes are desolated in consequence of the seductive displays of the drapery windows, enticing from our women-folk the hard-earned shekels which should have gone for the provision of such necessities as bread and meat and pills? The particular occasion of the remark we have quoted is in connection with the topic of drapers' Christmas bazaars. Chemists, says the *Record*, have in some way "become persuaded that no one ought to sell scent but themselves; consequently their irritation is extreme when they learn that some draper round the corner has taken advantage of Christmas to lay in a stock of perfumes in dainty bottles and cases, and is likely to sell more of these wares in a week than half-a-dozen chemists could dispose of in a month." Of such stuff as the drapers often sell we hope the proportion stated will continue. Our critic chivalrously points out that "it is always open to the chemist to go one better, and make such a display of Christmas novelties as shall quite take the wind out of the sails of the so-called trespasser round the corner"—lint, cotton-wool, and oiled silk is all we could venture in that line.

## The Chemist and Druggist

FOR JUNE.

SUBJOINED are brief paragraphs describing some of the subjects treated in it; but these do not represent a tithe of the subjects printed week by week.

There were four issues in June, and the number for June 26 completed the fiftieth volume of THE CHEMIST AND DRUGGIST. There were 1,014 pages in the volume, and that is a record for a six months' volume of a pharmaceutical paper. It is a mistake for anyone connected with the drug-trade not to get THE CHEMIST AND DRUGGIST. It costs only half a sovereign a year, and for that all subscribers in Ireland get the following return:—

	£ s. d.
Fifty weekly numbers of the <i>C. &amp; D.</i> ...	16 8
Summer and Winter numbers (at 1s. each) ...	2 0
The Irish Supplement (monthly) ...	4 0
The Chemists' and Druggists' Diary ...	3 6
	1 6 2

All these are sent post-free. If it were for nothing else than the advertisements (to keep one up to the times) and the trade reports (to enable one to buy well) the *C. & D.* is bound to pay every subscriber.

A good opportunity for beginning to subscribe is now, as the number for July 3 starts a new volume. Try it for a year, and send the 10s. to The Publisher, *C. & D.*, 42 Cannon Street, London, E.C.

**Aerated Waters.**—Illustrated article on machinery for manufacturing, &c., suitable for those beginning this trade.

**Anæsthetics**, history of the introduction of, into surgery.

**Apiol.**—The characters and varieties of this drug explained.

**Assurance for Pharmacists.**—How the French Association works it.

**Australasian News** about what is going on in the drug-trade of our colonies.

**Barium Peroxide.**—Dr. Dupré's report to the Society of Chemical Industry, showing that this substance causes combustion.

**Books.**—Reviews and notes on a number of new books on pharmaceutical, medical, chemical, and botanical subjects.

**Brazil Drug-trade.**—Report on present condition.

**British Pharmaceutical Conference.**—Executive report regarding the Glasgow meeting, with programme.

**Cartoons**, with commentary rhymes on the Jubilee B.P., the British Pharmaceutical Society's address to the Queen, and Koch's cures.

**Chemical Society.**—Reports of the two final meetings of the session, containing, amongst other things, notes on new reactions for atropine, hyoscine, and hyoscyamine.

**Chemists' Advertising.**—A series of suggestive notes from actual practice.

**Citric and Tartaric Acids.**—Article showing the cost of production, how prices have varied in the past, the present market position, and probable future of these acids.

**Companies.**—Particulars of formation of new drug, &c., companies, and reports and dividends of the following:—Distillers' Company (Limited), Liebig's Extract of Meat Company, Price's Patent Candle Company, Pacific Borax and Redwood's Chemical Company, Idris & Co., German chemical companies, &c.

**Coriander-seeds.**—Notes on a curious insect found in myriads in these seeds at New York.

**Dentists Act.**—Scotch Judges decide that a description of premises does not mean a personal description, and is outside the Act.

**Dispensing Notes.**—The subjects discussed in the Correspondence columns are interesting and instructive.

**Dr. John Attfield.**—Reproduction of Herkomer's new portrait.

**Drops.**—Note on how they vary in size

**Extracts and Liquid Extracts.**—Treated historically and practically in the Victorian Era article, together with other pharmaceutical subjects.

**Fluorine**, isolation and liquefaction of, by Moissan and Dewar.

**Formulæ are given for the following Specialities:—**

Ammonia (opalescent), bed-bug poison, billiard-ball dyes, blood-purifier, carbolic tooth-powder, cattle-spice, chicken-powder for gapes, chocolate emulsion of cod-liver oil, cycle oil, dental modelling-composition, Devonshire oils, diarrhoea-mixture, eczema-cream, fixing-bath (acid), hair-lotions (jaborandi and bay rum, black dye, for surfc), horse-balls (tonic), indigestion-pills, iron-mould extractor, lime-juice cordial, lemon-squash, musk (artificial), neuralgic pills, phosphated iodo-tannic elixir, picture-transferring solution, pil. coquie, preserving-powder, purgative pills, red colouring for bricks, sachet powders (5), syrup, belladonnae, tooth-cream, water-softener.

**General Medical Council.**—Illustrated report of the proceedings.

**German Pharmacy.**—Article showing how German wholesale drug-houses are competing in the United Kingdom.

**Hæmorrhoids**, note on the treatment of.

**Hon. F. S. Grimwade.**—Portrait, and interview regarding the present condition of the Australian drug-trade.

**Legal Reports.**—Hunyadi-water case, Pharmacy Act prosecutions in Scotland and England, decision *re* use of fig-syrup title, Sale of Food and Drugs Act cases (spt. aeth. nit., pot. brom., inj. morph. hypoderm., lin. iodi, &c.), and many other interesting cases.

**Lyons.**—Notes on the pharmacies there.

**Nancy School of Pharmacy.**—An annual report showing what it does for young French pharmacists.

**Novelties.**—The following new specialities are amongst those noticed:—Chloros, Garstin's dog-soap, Jubilee perfumes, Jubilee plaster, Bovril stamnoids, new chinosol preparations, photo-mounts, Bishop's varlettes and piperazine citrate.

**Obituary Notices** of Professor Charteris, Mr. F. M. Rimington, Mr. A. H. Squire, Mr. J. W. Rodger, and Professor C. R. Fresenius (with portraits).

**P.A.T.A.**—The movement carried into the grocers' camp. Interview with Mr. Glyn-Jones on the subject.

**Parliamentary News** from our own representative, who deals with drug-trade and allied matters.

**Percolation.**—Article showing that this process was first recognised in the Edinburgh Pharmacopœia.

**Pharmaceutical Society of Great Britain.**—Report of Council meeting, with portrait of Mr. Newsholme, the new Vice-President. Also of the annual meeting of the North British Branch in Edinburgh.

**Pharmaceutical Society of Ireland.**—Report of the Council meeting in May (referred to elsewhere in this Supplement).

**Photography.**—Numerous notes, and lecture by Mr. E. J. Wall on "Some Applications of Photography."

**Royal Agricultural Show.**—Report on the exhibits at Manchester.

**Sly the Trussman.**—Reports of the action against him, in which he got eighteen months' hard labour.

**Specialities.**—Note on how they are put on the market.

**Store-prices.**—The latest quotations for druggists' goods by the London stores.

**Students' Corner.**—Report on an analysis of a mixture of manganese and zinc sulphates and potassium chromate, with hints on how to do it.

**Technical Education.**—Report of the International Congress on this subject, held in London.

**Tinctures.**—Report by Mr. C. A. Seyler, B.Sc., F.I.C., F.C.S., Public Analyst for Glamorganshire, on "The Quality of Tinctures."

**Trade Marks.**—Hints on registration, by the Comptroller-General.

**Victorian Era.**—Review of the progress of medicine during the Queen's reign, also of the drug-trade, with many interesting chapters in this remarkable history, illustrated with a number of portraits and pictures.

**Wills of Deceased Chemists.**—Particulars of fourteen estates.

**Winchester Measures**, origin of, with letter from Mr. H. J. Chaney.

A SOAP-MANUFACTURER should be sure to leave the lye out of his advertisement.

## Market Movements.

PEOPLE continue to complain about the state of business as they have done for time out of mind, and as they will go on doing so long as there is any buying and selling. But in spite of the grumbling, and notwithstanding the temporary interruption of business in general throughout the kingdom in consequence of the Jubilee festivities, there is no doubt that trade all round is very good, only profits are smaller than they used to be, and it requires more ingenuity and exertion to make a living. The men who are the principal grumbler are those who made their money years ago, and who cannot bear to see what they have always looked upon as their own particular fields invaded by younger and more active competitors. The list of price-fluctuations during the month of June is a pretty long one, and comprises many important articles. Those which most interest the readers of this "Supplement" may be summed up as follows:—

Higher (Or Showing a Firmer Tendency)	Lower (Or Tending Easier)
Acid, citric	Oil, cajuput
Acid, tartaric	Oil, lemon
Asafoetida	Oil, limes
Buchu-leaves	Potash - prussiate
Cardamoms	Quassia
Citrate iron and ammon.	Saffron
Citrate potassium	Sarsaparilla, Jamaica
Cocaine	Sarsaparilla, Lima
Galls, Persian	Shellac
Gentian-root	Wax, Japan
Ipecacuanha	
Oil, bergamot	
* * * * *	

It is reported that the new firms of Scotch iodine-manufacturers who have lately been underselling the iodine syndicate have now joined that concern, or, at any rate, come to an understanding with them, and in consequence of that report the iodine-market has gained some firmness. But it is difficult to see how there can be any lasting improvement in the price of iodine. Some time ago the syndicate were compelled to lower their selling-price of the crude article from 9d. to  $7\frac{1}{2}$ d. per oz., and although there was some expectation that the first use they would make of their compact with the Scotch concern would be to raise the quotation once more to the time-honoured Ninepence, that belief has not yet been realised. Meanwhile Japan, which threatens to become a competitor in so many fields of industry, has lately developed an iodine-manufacture of her own, and is driving the European iodides out of her home market.

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The price of borax has again been lowered. This is the inevitable result of the abundance and cheapness of raw material. We have now not only the Italian boracic-acid lakes and the mineral deposits of California and Asia Minor to draw upon for our requirements of crude borax, but also the seemingly inexhaustible supplies that come from the Pacific Coast of South America in the shape of borate of lime. Several of the manufacturers have long felt the stress of the low borax-prices, but on the whole there still seems to be some margin of profit left in the business. But the times when borax-refiners made huge fortunes are not likely to return.

In several instances where, during the past month, there has been an upward movement in crude drugs, the United States have been the cause of the advance. This has notably been the case with asafoetida, of which one American firm seems to have made heavy speculative purchases, and with buchu-leaves. The last-named drug is one which, up to the present, has almost exclusively been consigned from South Africa to London, but we are informed that some American firms have lately been trying to effect direct imports. They seem to think that with the recently-established direct steamship line from America to Capetown it will not be difficult to cause part of the buchu-trade to be diverted from London to New York.

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Ipecacuanha remains very dear, and is not unlikely to advance further in the course of the summer. The imports have been very small lately, and the bulk of the drug is consigned to a few firms who are never under the necessity of selling quickly. The consumption of ipecacuanha shows a steady increase, and although the supply is now much in excess of what it was some fifteen years back, the demand seems to have outrun it. At any rate, the average price is much higher now than it used to be. The Colombian, or Cartagena, variety of ipecacuanha has during the past few years become a regular article of commerce, but the British colonies and dependencies in the East have never taken kindly to the cultivation of the drug, although the few boxes of dried root that have been shipped to London showed an excellent quality and realised high prices. For further particulars about this drug see a special article in the *O. & D.* this week.

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Caustic soda made in England by the electrolytic process has recently made its appearance on the market. The article is said to be of a high standard of purity, and, if its output increases, the price may be affected.

## The British Pharmacopœia.

FOLLOWING the Editorial note on this subject in the last Supplement, we may call attention to an excellent portrait of Dr. John Attfield, the editor, which appeared in the *C. & D.* for June 5, and opposite it was a cartoon entitled "The Jubilee B.P. and its Critics," representing Dr. Attfield in the act of concentrating pharmacopœial suggestions, and Sir Richard Quain surrounded by a group of virile dogs, from whom he holds up bundles of B.P. proofs. The following quotation and verses go with the cartoon:—

"I have very great satisfaction in announcing that the material for the British Pharmacopœia has been completed, and will be placed in the hands of the Council during the present session."—From Sir R. Quain's presidential address to the General Medical Council.

*Petite hinc, juvenesque senesque,  
Finem animo certum, miserique viatica canis.*

To the Medical Council Sir Richard declared  
Ere the session is over proofs shall be prepared,  
And when they're before you I am sure you will see  
What a glorious work is our latest B.P.

We've revised all our forms for plasters and pills,  
For tincture of rhubarb and syrup of squills,  
While, as usual, we've taken good care to make free  
With private receipts for our coming B.P.

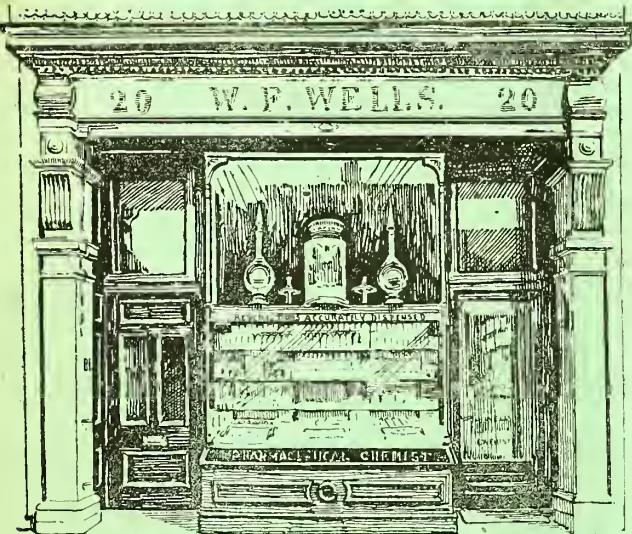
Good John the Professor has worked day and night,  
And he thinks he has now got his processes right.  
He has read every page of the famed *C. & D.*,  
And has boiled it all down for our coming B.P.

There's oof by the thou', as most of you know,  
And we stick to it all, for this is our show;  
But our heartiest thanks you will surely agree  
To vote to the chemists who have made our B.P.

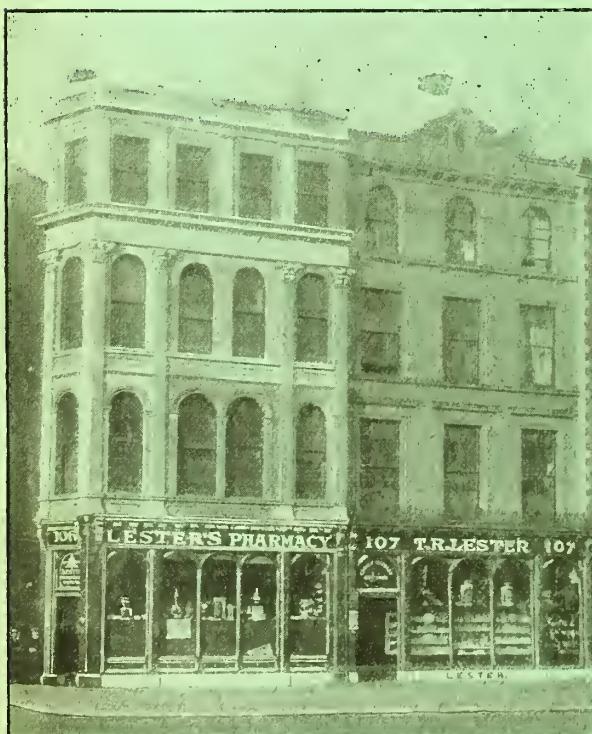
And you scoffing critics, whose only idea  
Is to snap and to snarl at our Pharmacopœia,  
I fancy it's hungry this time that you'll be,  
For there isn't a fault in our coming B.P.

### Notable Pharmacies.

THE President of the Pharmaceutical Society of Ireland has his pharmacy at 20 Upper Baggot Street, Dublin. He has been there since 1882, but in 1888 he rebuilt the



whole premises, and a very handsome house it is. We show the shop-front only, and it speaks for itself. The interior is beautifully fitted in Spanish mahogany, which is also used for the shop-front. The bottle-shelves behind the counter are



in seven bays, and look very handsome with their globe-stoppered and recess-labelled bottles. The front counter wall is filled with showcases. A handsome screen across the shop divides the retail from the compounding department at the back. Two offices, a well-appointed laboratory, store-rooms, and an aerated-water factory are annexed to the premises, which are altogether worthy of Mr. Wells and of the President of the Irish Society.

The second illustration represents the headquarters of Mr.

Thomas R. Lester, pharmaceutical chemist, 106 St. Patrick Street, Cork. Last month we referred to the fact that he had opened a branch pharmacy in King Street, Cork. Mr. Lester occupies the greater part of the building here shown, and the arrangements are in one sense unique—viz., that the dispensing department is entirely separated from the retail one by being placed in No. 107—the retail is in No. 106. The arrangement produces no public inconvenience, and we understand that it works very well indeed. It was dictated by the exceptionally large dispensing practice which Mr. Lester has both in town and by post. The pharmacy, as a whole, is the largest, we understand, in the South of Ireland. Mr. Lester was at one time a member of the Council of the Pharmaceutical Society.

### Cocaine Debauchery.

DR. E. R. WATERHOUSE tells the *Electic Medical Journal* a gruesome tale of the way in which cocaine is used in St. Louis, Missouri. He says that a "cocaine joint" disguised as a drug-store was recently exposed in the business part of the city. The patronage was largely from the lower class of fallen women, men seldom using the narcotic. This store had very well-stocked shelves, but scarcely anything was sold except cocaine. This was put up in packages which sold at a dime (5d.); after it was put up in the paper, it was rolled with a heavy iron roller to reduce the crystals into a powder. A pair of curtains covered a door behind the prescription-counter, which was kept locked. The interior of this room was dark, and contained chairs and two long benches. The cocaine fiend was admitted, and taking a seat, snuffed the powdered drug into the nose. A sort of dreamy intoxication followed, not unlike that of a Chinaman "hitting the pipe." A peep into the room by a female reporter disclosed the forms of a dozen or more women upon the benches and floor. When they regained consciousness, should they desire more of the drug, they touched the bell, and in came the assistant with another dose, or should they be satisfied they stole quietly out by the back door into the alley.

The effect of using the drug is to paralyse the vaso-motor nerves of the nose, and as a result the blood-vessels dilate and the worst form of the "rum nose" is seen. One poor unfortunate has a nose nearly as large as a man's fist, as red as erysipelas, and as sore as a boil, with large nasty ulcers extending down the upper lip. The grip that the drug gets upon the poor victim is far greater than from opium or morphine, and the downward road is travelled faster. The crowd which filled this man's coffers began coming as early as 9 o'clock in the evening, and at 2 or 3 o'clock in the morning his room was full. Some recover in a few hours and go their way, while others lie in a stupor for half the following day. Hundreds of people buy cocaine, and snuff it at home.

THE ADDRESS TO THE QUEEN presented by the Irish Pharmaceutical Council on the occasion of her Diamond Jubilee is reproduced in THE CHEMIST AND DRUGGIST of this date by the photo-engraving process. Those who commence subscribing on July 3 will get a copy of the issue.

UNFERMENTED WINE.—Müller finds that when the freshly-expressed juice is heated in bottles to a temperature of 60°—70° C. for fifteen minutes, the yeast-cells and other fermenting-agents are rendered inactive. The juice can then be kept in well-closed bottles for several years without fermenting.

REFERRING to the registration of apothecaries as pharmacists, the *Medical Press* says: "The question at issue is, When is an apothecary not an apothecary? We entertain no doubt that a legally qualified L.A.H.—no matter how he obtained his diploma—is entitled to all the privileges of dispensing practice in Ireland; but it is another question whether he can claim affiliation with the Pharmaceutical Society. And, indeed, it does not seem to matter much. The L.A.H. and the M.P.S. are for dispensing—a distinction without a difference."

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Testimony of Albert J. Walsh, Esq., Extra Lic. R.C.P., London, Councillor and Ex-President Royal College of Surgeons, Ireland.

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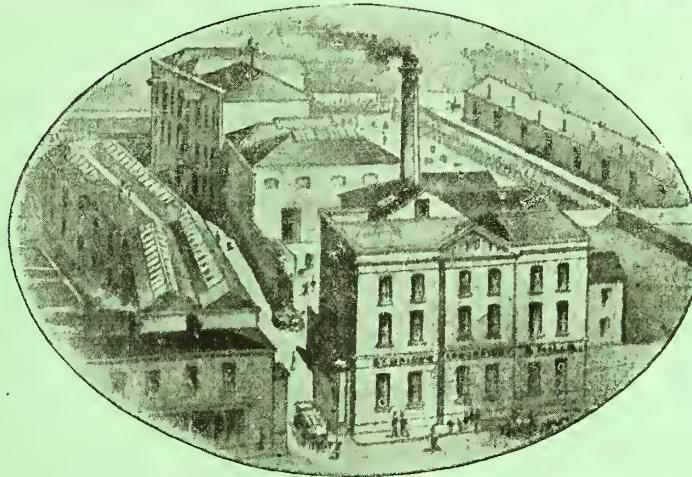
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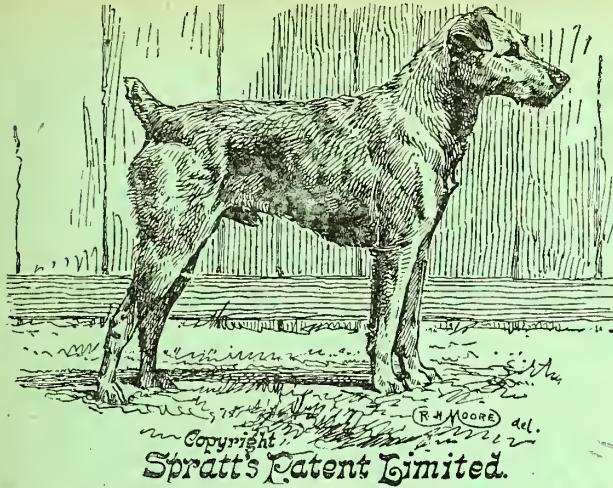
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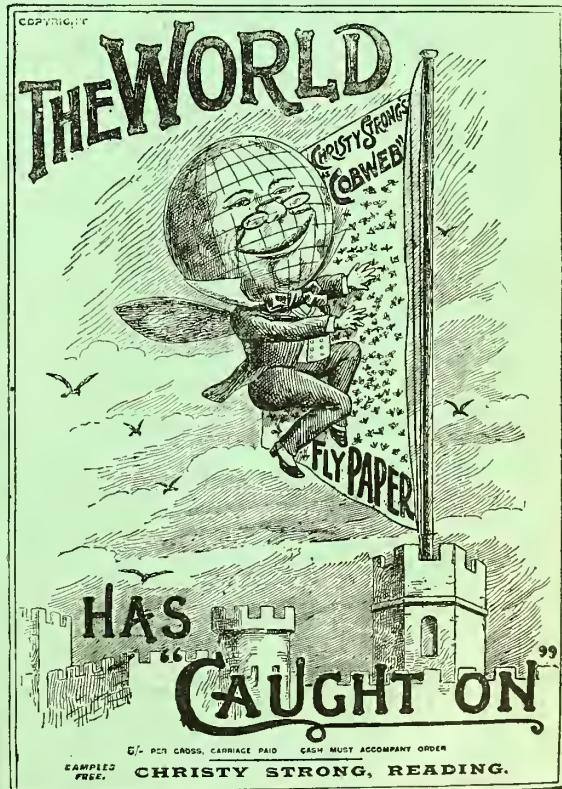
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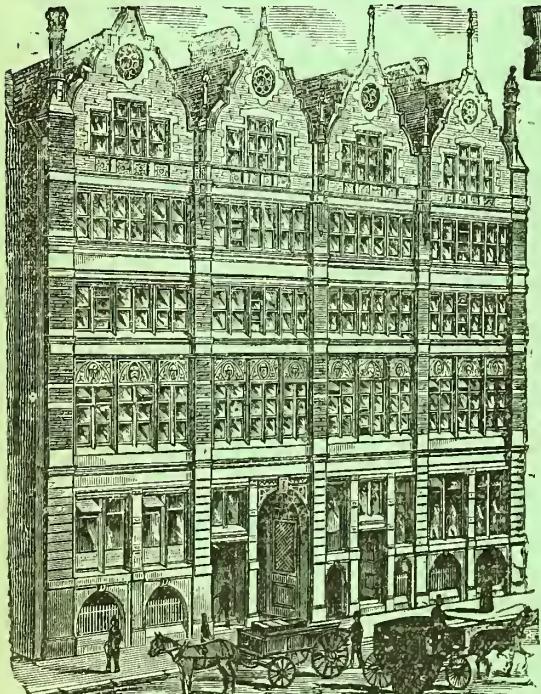
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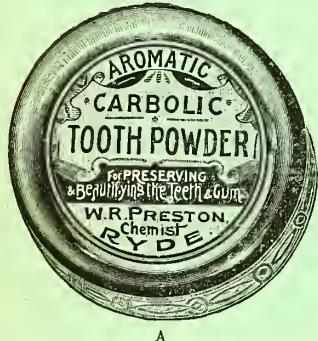
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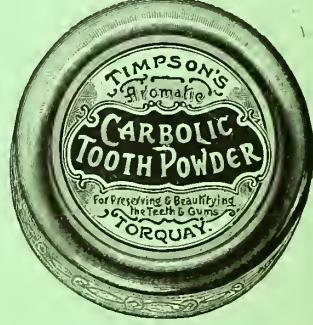
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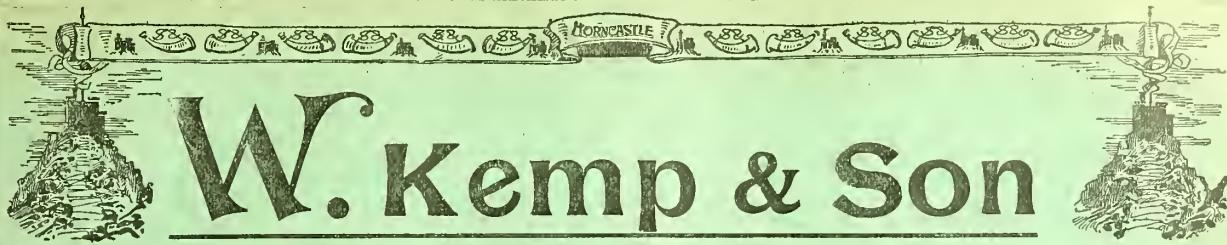
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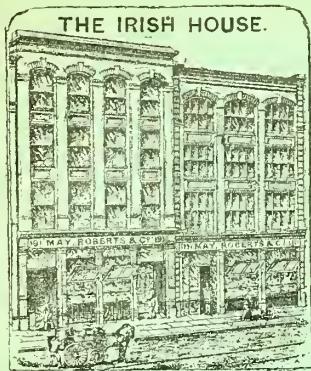
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### POSTCARD COMPETITION.

ONE GUINEA is offered for the best four-line verse descriptive of some drug or chemical product. Any metre may be adopted, and every line must rhyme with some other line of the verse. Subscribers, their families, and their assistants are eligible to compete, and postcards containing the verses must reach us not later than Saturday, July 24.

### CIRCULARS AND PRICE-LISTS.

WE would ask those who are thinking of having an inset in the Summer Number of THE CHEMIST AND DRUGGIST to communicate with our publisher as soon as possible. The number will be published on the last Saturday of the present month (July 31), so that there is not too much time to have things put into proper shape, and to secure good positions for the insets. As we have previously stated, the number will be an exceptionally attractive one, the cover being produced by the colour-photography process, and the contents will be of varied and permanent interest; therefore it will present an exceptional opportunity for advertisers. The Summer Number is looked for by the drug-trade all the world over, which is the best evidence of its value.



VOL. LI. begins to-day.

THE FORMULÆ on p. 24 are good.

SOME NEW BOOKS are briefly reviewed on p. 14.

EARLY-CLOSING BILLS are hopeless this session (p. 21).

THE latest particulars about the Glasgow Conference are on p. 5.

THE flowers that bloom in Kew just now are mentioned on p. 20.

AN EXPLOSION of fireworks-chemicals is the subject of a report on p. 3.

PROFESSOR SCHÜTZENBERGER, the famous Parisian chemist, is dead (p. 6).

MORE ADVERTISING IDEAS by chemists and druggists will be found on p. 4.

CARDOL, kryofin, malarin, and quinine chlorocarbonate are new remedies (p. 23).

MELLIN'S FOOD (LIMITED) has paid 14 per cent. on the first year's working (p. 9).

MR. ARENSEN writes graphically of the shop-life of young Danish pharmacists (p. 23).

"FRENCH SOAP," not marked "Made in France," is on sale in London West at present (p. 20).

MORE about the Royal Agricultural Show is communicated by our Manchester representative (p. 25).

THE description of the process for manufacturing capsicin is illustrated with retail apparatus (p. 24).

THE DRUGGIST'S SUNDRIESMAN who specialised in elevators for the short has been acquitted (p. 4).

A MAN of 40, blue eyes, fair hair, clean-shaven, who has passed himself off as Mr. W. Foggitt, is wanted (p. 3).

MADAME DOUGLAS, who sold medicine for female irregularities to a police-sergeant, has been acquitted (p. 9).

CURIOS FACTS, noted by Dr. W. J. Russell, regarding photographic pictures taken in the dark are referred to on p. 21.

A PHOTOGRAPHIC REPRODUCTION of the Irish Pharmaceutical Society's congratulatory address to the Queen is printed on p. 14.

MINOR STUDENTS should read the article on the examination on p. 22, but it is just as readable to passed men, for the writer hits off examiners nicely.

PETROLEUM LUBRICATING-OIL is the latest thing offered for salad oil, but a South London magistrate would have none of it and fined the grocer (p. 9).

MR. EWING, of Edinburgh, has been re-elected Chairman, and Mr. Currie, of Glasgow, Vice-Chairman of the North British Branch of the Pharmaceutical Society (p. 9).

OUR RECENT DISPENSING COMPETITION is the basis of the article entitled "The Pharmacists' Art," wherein we show how science comes in at the dispensing-counter (p. 16).

IPECACUANHA has had a peculiar history since 1889. In an editorial note we show that the price-curve of the drug approximates to the rise and decrease of influenza in Europe (pp. 17-19).

A NEW YORK JUDGE has refused a preliminary injunction against the Apenta label in an action brought by Mrs. Saxlehner against the American agents of the Apollinaris Company (p. 9).

A HAMPSTEAD CHEMIST dispensed glycer. belladonna and elixir cascara sagrada in the same kind of bottles for a child, who ultimately got a dose of the former. Dr. Danford Thomas's inquest is reported on p. 2.



Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

#### The Burnley Irish Doctor.

Last week Mr. Bernard O'Connor, L.A.H.Irel., was again charged at the Burnley Police Court with attempting to poison himself and unlawfully wounding his wife. Mrs. O'Connor was now able to attend, and repeated the statements which she had previously made in her deposition. Drs. Chadwick and Robinson stated that the wounds were not serious and might have been self-inflicted. Constable Clark's evidence brought out the fact that the poison which Mr. O'Connor took was strychnine. Prisoner was committed for trial.

#### A Cancer-curer in Custody.

The York District Coroner held an adjourned inquiry on June 25 into the circumstances attending the death of Miss Elizabeth Blacker, owner and occupier of Grange Farm, Thorganby, near York. The evidence showed that the deceased suffered from cancer of the left breast, and that she had been treated by a person carrying on business in London for the treatment of cancer in the name of F. C. Hudson. The jury found that death was due to poisoning by arsenic absorbed into the system from a plaster applied by Hudson, whom they held culpably responsible and guilty of manslaughter. Hudson, who gave evidence, and said his real name was William Lennox Watson, of York Buildings, Duke Street, Adelphi, London, wholesale spirit-merchant, was taken into custody and committed for trial. [There is no William Lennox Watson in the London directory or a wholesale spirit-merchant of that name at York Buildings.—ED. C. & D.]

#### Suppuration as Treatment.

Mr. Rawlins, described as an unregistered medical practitioner, of Stockport, was the principal witness at an inquest held at Shevington, Wigan, relative to the death of John Fairhurst (49), grocer and farmer. Two years ago deceased was struck on the knee with a cricket-ball, and he was attended by a doctor. He ultimately consulted Rawlins, who gave him some lotion to apply to the knee. Fairhurst became worse, took to his bed, and called in Dr. Passmore, of Wigan. He apparently improved, but died suddenly on June 13. Dr. Passmore stated that the knee was irritated by some lotion, that this set up inflammation of the skin over the cap of the knee, causing acute inflammation, and ultimately blood-poisoning, from which Fairhurst died. Witness expressed the opinion that the treatment Fairhurst had received was improper and unskillful, and showed gross negligence. The application of a lotion of an irritating character was not the proper treatment. Mr. Rawlins, on being called, admitted that the lotion applied was an irritant, and that he intended it should be so. His line of treatment was to produce suppuration. He had treated over a thousand cases during his twenty-four years' practice. He had travelled Asia and Africa, and at present had patients in his house from New York. The jury, after an inquiry extending considerably over three hours, returned a verdict to the effect that the cause of death was septic poisoning from suppurating housemaid's knee, and that death was the result of misadventure.

#### Carbolic-acid Poisonings.

Half-a-dozen cases of poisoning with carbolic acid have been reported to us since our last issue. They are all of the usual type except one, the case of a Llanfairfechan gardener, who swallowed some carbolic acid, which had been in the premises for two or three years. Dr. Clifton Hughes and Mr. Roberts, chemist, administered antidotes as soon as possible,

but the man was in a precarious condition before they reached him, and he was not expected to survive.

#### Poisons by Prescriptions.

At the Hampstead Coroner's Court on Saturday, Dr. G. Danford Thomas held an inquest with reference to the death of Victor Gerald Maxtate (11 months old), who died from the effects of glycerinum belladonnae accidentally administered. Mrs. Maxtate, in her evidence, stated that a few weeks ago the child began to show signs of debility, and Dr. Ferguson was called in. He gave two prescriptions, one for glyc. bellad., to be applied twice a day, and the other cascara-sagrada elixir, to be taken three times a day. The witness had these dispensed at a chemist's close by, and received them in bottles of exactly the same size, one labelled "For external use only," and the other "Cascara sagrada, to be taken thrice daily." On Wednesday evening witness placed these bottles on a little table at the side of the bed of the child, and a few moments after the parlourmaid informed her that dinner was ready. She at once got up to go, but just as she left the room she turned to her mother, who was following her, and said, "You might give Vicky some medicine." Witness's mother at once went back and poured out some into a spoon and gave it to the child. Witness then noticed that the child appeared to be pleased with it, and instead of crying started crowing for more. Guessing that something was wrong, she rushed forward and put her tongue to the spoon, and then found it tasted sweet. She then tasted the cascara-sagrada bottle and found it bitter. She at once called in a medical man, but the child gradually sank and died on the Thursday morning.

The Coroner: How do you think the mistake occurred?

The Witness: I thought the bottles being so much alike in shape and size, and there being no label on either one or the other to show that it was poison, the mistake might easily have arisen.

The Coroner: Has your mother ever given the child medicine before?—No, sir.

The Coroner (to the jury): That accounts for it; otherwise I could not see how anyone could give this substance, which is as thick as treacle, in mistake for the cascara, which, as you see, is liquid.

A Juror: But why is it not in a poison-bottle?

The Coroner: It is not always thought necessary, the label on the bottle is considered sufficient.

The Juror: But this has only a small label on it "For external use only." Surely that is not sufficient for a deadly poison like this?

The Coroner: It is purely optional.

The Juror: I should have thought it was necessary to put it in a distinguishing bottle.

The Coroner: Generally they are put in poison-bottles, but there is no compulsion.

The Juror: I have seen a number of poisons in my time, but they have always been in blue fluted bottles. [This one was an ordinary 1½-oz. white glass bottle.]

The Coroner: It rests entirely with the chemist, whichever he fancies.

The Juror: Then it is a usual thing for chemists to endanger people's lives by putting up poisons like this.

The Coroner: I can only answer that question by saying yes and no. You see, chemists sell certain poisons that come under the Poisons Act, such as chloro-lyne. This contains some of the most deadly poisons, including prussic-acid and Indian hemp, and as a chemist can only sell it as a proprietary article it has to be labelled "Poison." Then, again, there is strychnine and numberless others that I could mention. If you went into a chemist's shop and asked for belladonna he would first ask you what you wanted it for, and then if satisfied and he supplied you, he would make you sign the poison-register. He would not supply you with strychnine unless under the same conditions, but, nevertheless, although one of the deadliest poisons, it is also one of the finest nerve-tonics extant.

The Juror: Then how comes it that this is supplied without a poison-label?

The Coroner explained the conditions under which poisons are dispensed by medical prescription, adding that he had no doubt the chemist carried out the directions on the prescriptions by putting a printed label on the bottle "For external use only."

The Juror: Then who could be made liable in a case of this sort, the chemist or the doctor?

The Coroner: If there is any liability at all it would rest with the doctor.

The Juror: Is the Pharmaceutical Society aware of this?

The Coroner: I have very little doubt that they are, as it has been the rule for such a length of time.

The Juror: But in France it cannot be done. If anything with a semblance of poison in it is sold there, it must be in a poison-bottle and bear a label marked "Poison."

The Coroner: It may be so; I cannot be certain on that point.

The Juror: I know it to be so; and an offender is liable to a heavy fine or imprisonment.

Another Juror: I think the Pharmaceutical Society ought to have their attention drawn to the danger of it. It seems very much like placing the lives of numberless people in the hands of chemists, who afterwards would not be liable. (Hear, hear.)

The Coroner: You can send a recommendation to the Society on the matter if you wish.

The Juror: We will.

Dr. Wm. Fergusson, of Fernhead, West End, Hampstead, deposed that death was due to belladonna-poisoning.

Eventually, after a lengthy discussion, the jury returned a verdict of death from misadventure, and adding that having heard in evidence that chemists, when dispensing doctors' prescriptions are not bound to label them 'Poison,' if they contain any, they would suggest that all prescriptions containing poison should be put up in blue fluted poison-bottles and marked plainly outside 'Poison.' They would further recommend to the Pharmaceutical Society the advisability of having an Act passed to this effect at once."

The Coroner said he would forward the recommendation to the Pharmaceutical Society.

[The name of the chemist who supplied the medicine did not transpire in court. Our reporter examined the bottles carefully, but could find no trace of the name of a chemist upon them.—ED. C. & D.]

#### Fire at a Chemists' Shop.

The vapour from some methylated spirit coming in contact with flames caused an outbreak of fire last Saturday afternoon on the premises of Messrs. Pollock & Peck, chemists, Fenchurch Street, City. Pending the arrival of firemen from the Bishopsgate Station, the flames were vigorously attacked by some passers-by with buckets of water. The contents of the basement were considerably damaged, and the stock in the shop was injured by heat and smoke.

#### Plymouth Chemists' Association.

At the monthly meeting of the Plymouth, Devonport, and Stonehouse Chemists' Association, held on June 29, a vote of thanks was passed to the Outing Committee for their services, and it was decided to purchase two photographs of the party for the rooms. It was also agreed that the rooms should be open on the occasion of Messrs. Evans, Gadd & Co.'s visit to Plymouth, which this year is to be the scene of their yearly excursion.

#### Poisoned by Weed-killer.

On Jubilee Day some young fellows at Madeley found a bottle in a hedge and drank some of its contents. The fluid proved to be weed-killer, and one of the men, Albert Whalley, died the following morning.

#### Chemist Summoned for Assault.

The Acton Magistrates were engaged last Friday in hearing a case in which Wm. Armstrong, chemist, corner of Upper Thomas Street and Frederick Street, Acton, was summoned for assaulting a youth named Frank George. In March last George sent his sister to Armstrong's shop for a packet of tobacco, and subsequently George wrote informing Armstrong that the Inland Revenue stamp on the packet had not been cancelled, and adding, "You are therefore liable to a penalty of 20*l.*, which I shall make you pay, unless you are willing to give me some recompense." In the witness-box George admitted writing this letter, and stated that when defendant came to his mother's house, on April 28, he used abusive

language and struck witness on the face, and also assaulted the servant-girl. There were cross-summonses against George and the girl, and Armstrong, in support of them, stated that he called on George's mother and showed her the letter, and in the course of the conversation George and the servant-girl burst into the room, took hold of witness by the collar of his coat, and violently pushed him out of the front door and down the steps, and threw his umbrella after him. Witness, in order to protect himself with regard to the inadvertent sale of the packet of tobacco before the stamp had been cancelled, showed George's letter to the officials at the Inland Revenue Office, and they said that a more contemptible thing they had never heard of. Eventually, all the summonses were dismissed.

#### Wanted!

During the past week or two a man of 40, or thereabouts, 5 ft. 7 in. in height, fair-haired, blue eyes, and clean shaven, has been calling upon sundries' and patent-medicine houses, and, on the representation that he is a son of Mr. Foggitt, of Thirsk, has obtained sums of money. He is a man of good address, but of shabby appearance; seems to know all about Thirsk drug-trade and about Mr. Foggitt's affairs, but is not a son of Mr. Foggitt. Should he call upon any other firms, it would be advisable to give him in charge of the police, who hold a warrant for his arrest.

#### Chemicals for Explosives.

Mr. John Richard Cook Stevens, chemist and druggist, of Exmouth, gave evidence at an inquest held on June 25, on the body of Frederick Henry Sellick, aged 14 years, son of an Exmouth bricklayer, who died at the Exmouth Maud Hospital on the previous morning from injuries received in an explosion which occurred amongst a brake party returning from Chudleigh Rocks on Jubilee night. Mr. Stevens deposed that on the previous Saturday morning Mr. Abell, a naval-engineer student, came to his shop and purchased  $\frac{1}{4}$  lb. of chlorate of potash, 1 oz. of antimony sulphide, 3 oz. of nitrate of strontium, 3 oz. of cupric chloride, and 1 oz. of mercuric chloride. Mr. Abell mentioned that he was going to fire a salute and make some coloured fire on June 22. Mr. E. J. Vine (the solicitor watching the case on behalf of Mr. Abell): Did Mr. Abell seem to know anything about chemistry?—Witness: I thought he did. Mr. Vine: Were all the goods supplied to Mr. Abell ingredients for making coloured fire?—Witness: Yes. The inquiry was adjourned in order that the Coroner might secure the attendance of a Government inspector under the 5th section of the Explosives Act, 1875. Mr. Abell himself was injured by the explosion.

#### Hull Grocers and the P.A.T.A.

At a well-attended meeting of the Hull grocers at the Grosvenor Hotel, Carr Lane, on Monday last, convened at the instance of the Hull and District Provision Dealers' and Grocers' Association, and the Hull Retail Grocers' Association, to consider the objects of the Proprietary Articles Trade Association, Mr. J. Williams (Manchester) presided. Mr. Glyn-Jones, Secretary of the P.A.T.A., delivered an address on the Association's work, after which a resolution approving of the objects of the P.A.T.A. was adopted.

#### Attfield Testimonial.

We remind subscribers to this testimonial that the presentation takes place next Saturday (July 10) at Ashlands, Watford, at 5 P.M. Mrs. Attfield will have a garden-party from 4 to 7 P.M. The music will be by the Hungarian Band. Trains are as follows:—

	Out.		
Euston	3.0	3.40	4.15
Willesden	3.12	3.58	4.27
Watford	3.34	4.25	4.51

#### Return.

Watford	6.20	6.30	7.00
Willesden	6.37	6.56	7.7
Euston	6.50	7.15	7.50

Mr. John Moss is endeavouring to arrange for a reserved carriage from Euston, and those who wish to join it should write to him in good time.

## Advertising Ideas.

Mr. M. Mellor Woodward, pharmacist, 53 London Road, Reigate, is catering for lady cyclists, for whose benefit he has brought out a cooling and refreshing preparation for the skin entitled "Epidermo."

Mr. Fox, of Banbury, in pushing the sale of his powders for pigs, says that "an occasional dose saves their lives by keeping them in health, and hastens their death by making them finer and fatter in much less time."

Mr. S. McKee, of Tunstall, sends us his Jubilee and holiday number of McKee's *Household Journal*. It contains twelve pages of interesting reading, and an account showing how you can buy 33s. 11½d. worth of proprietary articles from Mr. McKee for 24s. 8d.

Mr. Hughes, of Ye Pantiles, Tunbridge Wells (Kent), advertises thus: "This year of the Record 'rain' has produced a large crop of corns on varieties of feet, which can be quickly removed without pain or discomfort in a few days by using White's new corn-cure."

An interesting relic is now on view in the window of Mr. John Wild, the University Pharmacy, 307 Oxford Street, Manchester. It is the original parchment by which the degree of LL.D. was conferred upon Dr. John Dalton by the Edinburgh University, and is, of course, an entirely unique exhibit.

Mr. W. Turner, chemist and druggist, 24 Frodsham Street, Chester, printed the words and music of "God Save the Queen" on a card and distributed the card in the ancient city as a "Souvenir of the Diamond Jubilee of our beloved Queen," suggesting at the foot thereof that Turner's Top-A lozenges are the best voice and throat tonic.

Mr. S. J. Coley, dispensing chemist, Stroud and Nailsworth, is making a special show of sponges, and in pushing their sale informs the public that a cold bath, a sponge, and a clean towel are the three essentials for health. "The bath and towel," he continues, "you no doubt already have; but if you have not yet procured your sponge, kindly call and look through my stock before purchasing."

The Hull Drug Company, 3 Westborough, Scarborough, are advertising the virtues of Milburn's electric corn-plaster, and in so doing say: "Old friends must part. Milburn's electric corn-plaster separates old and fast friends. It gives ease and comfort in place of pain and suffering; it completely eradicates the worst of corns, of however long-standing; it makes walking a pleasure."

Another Scarborough firm, Messrs. Parker & Cross, chemists and druggists, Westborough, are also making a speciality in advertising a proprietary article. They announce an offer of a free library to the town if anyone can disprove the genuineness of testimonials to be seen at their establishment respecting cures effected by "Digestkur." They enjoin the public to celebrate the Jubilee by restoring their health by taking this article.

The shop of Mr. Herbert W. Seeley, F.C.S., of Halifax, was beautifully illuminated from top to bottom on Jubilee night with brilliant lamps, 308 in number. The name "Seeley" surmounted the whole, the windows and crane-doors being turned into blazing diamonds, crowns, and the "V. R." was not forgotten. The window-enclosure was a miniature fairy-land of flowers and perfumes lighted by fairy lights in gay Royal colours. At the top of the enclosure was another blaze of three dozen candles.

## Drug-contracts.

Mr. Bird has been appointed chemist and druggist to the Coventry Board of Guardians for the ensuing quarter.

Mr. C. W. Southern, of Belper, has been selected to supply chemists' materials to Belper Workhouse for the next quarter.

## Utilising the Holiday.

Mr. Costerton, senior partner in the firm of Headland & Co., chemists, Brighton, invited the staff to a picnic on Jubilee day. A party of about fifty was organised and went to Stannier Park, the seat of the Earl of Chichester. The weather was perfect, and during the day a cricket-match was played by an eleven selected from the staff of the head establishment, 90 Western Road, captained by Mr. W. H.

Andrews, and an eleven from the combined staffs of the branch establishments, captained by Mr. William Mountain. The result was an easy win by the head establishment by 63 runs.

The annual excursion of the employés of Messrs. Stevenson & Howell took place on Saturday last, June 26. A large party assembled at St. Paul's Station at an early hour, and left by special train for Margate. The Hôtel Métropole was headquarters for the day, and there an excellent dinner and tea were provided. After dinner, at midday, the usual toasts were given, and not the least of them was "Success to the Firm" given by the Chairman, and received with much enthusiasm. A vote of thanks to the principals for providing such a pleasant day's enjoyment was carried unanimously. The weather was all that could be desired, and after a long day the party reached London shortly before midnight.

## A Medical Exhibition.

A number of the prominent exhibitors at the usual medical exhibitions have associated to organise a Medical, Surgical, and Hygienic Exhibition, which is to be open at the Queen's Hall, Langham Place, in the last week of July. Information respecting space at this exhibition can be obtained from Mr. H. Blau, at 29 New Bridge Street, E.C.

## Under the Hammer.

The distressed effects and stock-in-trade of Mr. John Anley, chemist and druggist, of 1 New Street, Jersey, (which comprised aerated-water plant and bottles), were sold before the Deputy-Sheriff last week, and realised but 62*l*.

## Cricket.

The Aldersgate C.C. (S. Maw, Son & Thompson) played the Old Change C.C. (Stuart, Son & Co.) on June 26, and won by 60 to the 59 of their rivals.

## Carbolic Acid instead of Carbolic Oil.

At the meeting of the Camberwell Board of Guardians on Wednesday last, a report was brought up on behalf of the Gordon Road Workhouse Committee, stating that the medical officer had transferred an inmate named Richard McDonald, from the workhouse to the infirmary, suffering from burns by carbolic acid. The committee found on inquiry that the man in question was admitted to the workhouse in a dirty state, and that instead of carbolic oil being applied to him after bathing, carbolic acid was used in error. The committee stated that they had called the serious attention of the portress (who had charge of the liquids) to the matter, and it was agreed that, in the future, carbolic oil is not to be used without the doctor's orders, and that carbolic acid be not issued from the master's stores in its crude form.

## The Invisible Elevators—Pointing Acquitted.

Arthur Louis Pointing (29), druggists' sundriesman, was indicted at the Central Criminal Court on Wednesday, before the Common Serjeant, for obtaining money by false pretences with intent to defraud.

Mr. Bodkin, for the prosecution, said they alleged that the prisoner, under the title of the Oriental Toilet Company, had carried on a fraudulent business in the Strand. He had issued circulars and advertisements, and in the former the question was asked, "Are you little?" Then was added, "If so, we recommend the A.D. invisible elevator, registered," which was guaranteed to increase the height by 4 inches. It was stated that the price of the article was 3s. 9d., but that an article of superior quality could be furnished at 5s. 6d. Those wishing the cheaper article, Mr. Bodkin said, were informed that the stock was exhausted, and that owing to defects in machinery some time would elapse before the stock could be replenished. The superiority of the more expensive article was pointed out, and intending purchasers were requested to send the additional money, as the cost would be returned if the article did not give satisfaction. The elevator was a wedge-like piece of cork inserted in the heel of the boot, and it was proved that for a long time the prisoner had only one kind of article, which cost him about 3s. per dozen, also that there had been no difficulty with the machinery, and that the only difference between one article and the other was that the alleged superior article had a

piece of red morocco cloth round it. Mr. Bodkin referred to the torture experienced in wearing the article, and said that when the wearers required the money back they received a circular, in which various articles of perfumery, pills, &c., were recommended. They were requested to state what article they would select in lieu of the elevators.

The witnesses were cross-examined with the object of showing that the accused carried on a perfectly *bona-fide* business, that his books were regularly and properly kept, and that he met all his engagements.

Mr. Avory submitted that there was no evidence to support the indictment, and that no criminal offence had been disclosed.

The Common Serjeant said the case was a very proper one for investigation, but obviously the prisoner had not been guilty of any criminal offence. He directed the jury to acquit the prisoner.

The jury returned a verdict of not guilty, and the accused was discharged.

Mr. Avory said that had the case proceeded he should have called a number of witnesses to speak to the advantages they had derived from the elevators, and as to the *bona fides* of the prisoner's business.

#### Via Daisy.

The premises of Daisy (Limited), Leeds, were utilised by burglars in effecting an entrance into an adjoining wholesale clothiers. They succeeded in obtaining 5*l.* in cash, and sundry etceteras. By an adjoining house they climbed upon the roof of the Daisy works, and dropped down at a convenient point upon the roof of the premises broken into. This is the third time they have effected an entrance in the same manner within a few months.

#### Application to Store Carbide of Calcium Refused.

At the meeting of the London County Council, on Tuesday last, the Public Control Committee reported that they had considered seven applications for licences under the Petroleum Acts, including one for the storage of carbide of calcium, and had granted licences in six cases, subject to stringent conditions for ensuring safety. In the remaining case, the proposed arrangements were unsuitable for the storage of carbide of calcium, and the committee accordingly refused the application.



*Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.*

#### A Side-show to the Conference.

Messrs. D. & W. Gibbs (Limited), City Soapworks, London have arranged with their representative, Mr. T. F. Buckman to have a showroom at St. Enoch's Hotel, Glasgow, from August 9 to 14 inclusive, where he will be pleased to see anyone attending the forthcoming Pharmaceutical Conference.

#### No Need for these Hints.

The Inspector of Weights and Measures has recently been visiting several pharmacies in the West-end of Edinburgh. Presumably he is working eastward.

A whisper has got about that the Inland Revenue officers are under fresh instructions from headquarters to keep an eye on Edinburgh chemists' labels and medicated wines!

#### Jubilating.

Edinburgh pharmacy was represented at the Jubilee celebrations in London by Mr. J. L. Ewing, Chairman of the Scottish Executive, and Major George D. Mackay, of Messrs. John Mackay & Co. A jubilious chemist of the City writes to us that complaints of dullness of trade are common among chemists locally just now. Jubilee excitement has somewhat unsettled people, the sunless weather keeps the ladies from shopping, and, in addition, as an impulsive member of the trade has been heard to remark, "everyone appears to be so confoundedly healthy."

#### Sequel to the Porteous Vegetable-ointment Action.

An action has been raised in the Court of Session by Wm. Mathison, spirit-dealer, Wm. Waterston, coal-merchant, and John Nisbet, hotel-keeper, all of Edinburgh, against Alex. Porteous, seeking for a reduction of an agreement entered into between Alex. Porteous and the pursuers, and repayment to them of the sums of 200*l.*, 100*l.*, and 50*l.*, respectively, which they had paid to the defender under the agreement; and, further, that the defender should be ordained to pay to the pursuers, respectively, 500*l.*, 250*l.*, and 150*l.*, on the ground that he had induced them to join in the formation of an association to acquire from him and carry on the business of preparing and selling an ointment, known as "Porteous vegetable ointment," which he had alleged constituted a valuable trade secret known only to himself; that he was the sole possessor of the recipe for its preparation; and that he had the sole and exclusive right thereof, and to manufacture and sell it. The pursuers state that after the syndicate was formed they found that Archd. Porteous, defender's brother, was manufacturing and selling Porteous vegetable ointment through his wholesale agents, the Glasgow Apothecaries' Company, and that an action for interdict raised against him failed. It appeared from the judgment in that case that Alex. Porteous had not the sole right to the recipe, and that the mode of manufacturing the ointment was not, as represented by him, a secret known only to himself. They say that defender's delay to repay to them their contributions to the syndicate had involved losses over and above the amount of their contributions, and that they are entitled to be relieved of these liabilities by the defender.

The defender, Alex. Porteous, denies that he represented to the pursuers that he was the sole possessor of the secret of the recipe, or that he had exclusive right to use it.

#### The late Dr Charteris's Chair.

The applications which have been sent in to the Glasgow University authorities are very numerous, and have come from all parts. It is expected that the total may reach not far short of 100 before the list is closed. Several London



*Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.*

#### The Sale of Food and Drugs Act in Ireland.

The Limerick Magistrates have agreed to state a case before the Attorney-General as to their jurisdiction in carrying out the provisions of the Food and Drugs Act. The point raised is whether the Corporation or the police should be the complainants in prosecutions instituted under the Act.

#### Jubilee Rejoicings.

At Dublin, on June 24, John Macken was charged with having broken glass in the shop of Messrs. Hayes, Conyngham & Robinson, pharmaceutical chemists, Grafton Street, the previous evening. A constable said he saw the prisoner throw a brick through the large plate-glass window, and that when arrested Macken had a second brick in his pocket. Mr. D. Watson, L.P.S.I., deposed that the broken window would cost 10*l.* to replace. On the night of June 22 (Jubilee night) another window in the shop was smashed in. The prisoner said he was sorry for the occurrence. He was sent for trial to the City Commission.

lecturers have applied for the position, and one well-known Edinburgh man, whose researches and influence may bring him into the short leet, if not into the chair. Four local men, who have been assistants to the professors of *materia medica* in the University or lecturers on the subject, are applying. These are: Dr. William MacLennan, who was assistant to the late professor, and who throughout the summer session has been conducting the class; Dr. Alexander Napier, a former assistant; Dr. G. P. Tennant, assistant to the late Dr. Cowan, who preceded Dr. Charteris; and Dr. C. O. Hawthorne. Personal influence will do much in filling the vacancy.

#### A Golden Wedding.

The latest Canadian mail brings the intelligence that Mr. Hugh Miller (druggist), Toronto, and Mrs. Miller celebrate their golden wedding on June 9. Mr. Miller is a native of Inverness, where he was born eighty years ago. He settled in Toronto, in 1841, as an assistant to Lyman, Kneeshaw & Co., the predecessors of Lyman Brothers & Co., wholesale druggists, but after a few years started on his own account at 167 King Street East, Toronto, where he is still. He was one of the members of the first Council of the Ontario College of Pharmacy.

#### The Conference Arrangements.

The Glasgow Committee of the British Pharmaceutical Conference have issued the "Pink Circular" of arrangements for the week beginning August 9. So far as reception, meetings, and excursions are concerned no change has been made from the general plan already indicated in these pages, and it is only necessary now to call attention to the fact that the Grand Hotel, Charing Cross, has been secured as the headquarters of the Conference, and there the meetings will be held, luncheons served, and concerts enjoyed (on the evening of August 11). The hotel tariff has been fixed (an excellent idea) at 6s. for bed and breakfast for one person, or 10s. 6d. for two occupying one bedroom. *Table d'hôte* dinner will be charged 4s. The Conference tickets will cost 10s. 6d. each, No. 1 being required for Monday to Wednesday, and No. 2 for Thursday's excursion to the Kyles of Bute. The Glasgow expenses will therefore be about three guineas for the four days, if one does not indulge much in "extras"; anyway, the week's enjoyment should not be prohibitive even to those who have to take a long journey to headquarters. It is desirable that rooms should be secured as early as possible by application to Mr. J. Anderson Russell, the Local Secretary, 212 New City Road, Glasgow—"Russell Chemist Glasgow" is his telegraphic address.

#### The Edinburgh Chemists' Golf Club.

The third competition for the "Gibson Handicap Medal" took place last week over the Braids course. The competition resulted as follows:—Winner of medal and first prize (6 bal's), Mr. Jas. Stott; second prize (4 balls), Mr. A. C. Kirkpatrick; third prize (2 balls), Mr. J. C. Laird.

### French News.

(From our Paris Correspondent.)

**THE PARIS UNIVERSITY AND PHARMACY.**—The Council of the Paris University have authorised the following (among other) free lectures. At the School of Pharmacy M. Béhal on "Organic Chemistry," and M. Coutant on "Pharmacy Legislation"; and at the Faculty of Sciences, M. Chabrié on "Chemistry Applied to the Separation of Natural Organic Principles." The Vice-Rector has announced that the University will be represented at the Pharmaceutical Congress to be held at Brussels in August.

**MONUMENT TO DAGUERRE.**—A monument has been erected by public subscription at Bry-sur-Marne to the memory of Daguerre, the inventor of photography, and the ceremony of inauguration was held on Sunday last. It takes the form of a bronze bust, placed on a stone pedestal, and is the work of a lady artist, Mme. Bloch. Daguerre commenced life as a Government official, afterwards becoming a scenic artist in theatres and a painter of panoramas. Later, he invented the

diorama, and finally the daguerreotype. After the inauguration ceremony, the company went to the neighbouring cemetery to deposit wreaths on the grave where Daguerre is buried.

**A FERTILISER FOR ORCHIDS.**—MM. A. Hébert, and G. Truffaut have addressed a short paper to the Paris Academy of Sciences regarding the withering which attacks orchids cultivated in hothouses. They have endeavoured to trace the cause, and have experimented with the *Cattleya* species. Analysis made by them on a series of these plants in 1891, 1893, and 1897, that is, from the moment of importation to the degeneracy period, proves that at the latter moment the orchids are poor in nitrogen, potash, lime, magnesia, and phosphoric acid. The remedy they suggest is a fertiliser containing exactly these matters.

**KEEPING PACE WITH THE TIMES.**—The enormous development of cycling in France has led enterprising pharmacists to cater for the demand for sustaining preparations, and they seem to meet with some success. One of the systems of advertising followed is to address samples to the whole of the members of the Touring Club of France. These samples are generally put up in an attractive form in small decorated tin boxes or otherwise, and are accompanied by suitable printed matter. The latest to come into the market is the "Kola-cycle," made in the form of wine, granules, or compressed tablets by the "Compagnie Française de Spécialités Pharmaceutiques au Kola." In this case printed testimonials are sent with the samples from champion racing cyclists. Amongst other preparations on the market is an elegantly-put-up wine known as "Vin Douglas," introduced by Dr. W. Douglas Hogg, the well-known English pharmacist here.

**THE  $\alpha$  RAYS.**—A question of some interest arose at Lyons a few days ago relative to the application of the  $\alpha$  rays in a case of medical expertise. A doctor had been named as expert on behalf of a man who claimed damages for an accident to a foot. The former asked a friend to photograph the patient's injured limb by means of the  $\alpha$  rays, and the defendant, on learning the fact, asked the Judge to cancel the expertise on the ground that the doctor was unduly discharging his mission through a delegate. The Court held, however, that the fact of photographing was a purely material operation, and consequently in no way a direct part of the expert's work.—Interesting experiments with the  $\alpha$  rays were made a day or two ago before a committee of leading French Custom-house officials, with a view to applying the rays as a means of verifying imported merchandise, &c. The results are stated to have been excellent, and further practical experiments with packages of goods as they arrive from abroad are to be made. The Custom-house officers are to be supplied with a special apparatus, of simple construction and easy to handle, which, it is expected, will enable them to discover the contents of any kind of package. It is also anticipated by the same means to be able to inspect the luggage of railway passengers without the necessity of its being opened.

**DEATH OF PROFESSOR SCHÜTZENBERGER.**—The decease of this eminent chemist, which occurred on June 25, has caused profound regret amongst the scientific French world, and especially in Paris. He was nearly 67 years of age, having been born at Strasbourg on December 23, 1829. Death came upon him suddenly when he appeared to be recovering from a malady which attacked him several weeks ago. M. Schützenberger followed the medical course of studies in his native town, and took his doctor's degree in 1855. He commenced his career as a chemist in the chemical laboratory of the Conservatoire des Arts et Métiers, and was afterwards professor at the superior school at Mulhouse. Later, he became assistant-director of the laboratory of the Paris Faculty of Sciences. In 1876 he was nominated professor of chemistry at the College of France, and he has also held the appointment of chief of practical chemistry-work at the same establishment. He was also director of the Municipal School of Physics and Chemistry. In 1884 he was elected a member of the Academy of Medicine in the section of Medical Chemistry, and in 1888 he was chosen to fill the seat of the chemist Debray at the Academy of Sciences. His published works include—"Treatise of General Chemistry," numerous researches on colouring-matters, fermentations, &c., and also his lectures as professor

of the Paris Chemical Society. The last years of his life were devoted to researches on vegetable alkaloids and their derivatives.

## Colonial and Foreign News.

**AMERICAN PLASTER COMBINATION.**—We reported early in the year that the principal makers of indiarubber medicinal plasters in the United States had combined to control the prices of their manufactures. This combination has now broken down, the J. Ellwood Lee Company having practically withdrawn from it.

**THE COLOMBO APOTHECARIES' COMPANY'S WATCHES.**—On the night of May 27 a man broke into the premises of the Colombo Apothecaries' Company and stole fifty-seven watches and a number of other articles from their stationery department. A man named Ossen, who had spent a large part of his life in gaol, was arrested and committed for trial. The police found thirty-six of the watches on him, but the rest had not been recovered. The value of the articles taken was first stated to be 1,007*r.*, but the man was charged with stealing property worth 550*r.* It was explained that the latter was the cost-price.

**BRITISH COLUMBIA PHARMACEUTICAL ASSOCIATION.**—The annual meeting was held at Victoria on Thursday, June 10, in the offices of Messrs. Langley & Henderson Brothers. The report of the Secretary-Treasurer, Mr. John K. Sutherland, showed a highly satisfactory condition of things, and that the druggists throughout the province are law-abiding was demonstrated by the report of Council and the address of the President, Mr. T. E. Aitkins. Messrs. J. R. Seymour (Vancouver), John Cochrane (Victoria), and D. S. Curtis (New Westminster) were appointed to fill the three vacancies in the Council, and with votes of thanks the meeting adjourned to meet in Vancouver in June, 1898. At a meeting of the Council held immediately afterwards, Mr. D. S. Curtis was elected President for the ensuing year, Mr. J. R. Seymour Vice-President, and Mr. John K. Sutherland Secretary-Treasurer. At the close Mr. T. M. Henderson, of Langley & Henderson Brothers, invited the members to Lawrence's Café, where a still more enjoyable time was spent at the festive board.

**SPIRIOUS QUININE AND COD-LIVER OIL IN CALCUTTA.**—It has been said of the Bengali baboo that he sometimes suffers from a kind of "moral lisp." This is, alas! true of some of the native dealers in proprietary medicines in the bazaars of Calcutta, although certainly there are many who are honourable and trustworthy in their business dealings. A protracted case extending over five months, and after nineteen adjournments and the examination of fifty witnesses for the prosecution, was closed recently in the Calcutta Police Court, when a number of Bengali shopkeepers were convicted of selling spurious Howards' sulphate of quinine and De Jongh's cod-liver oil. There is a large and constant demand all over India for Howards' quinine in the familiar 1-oz. bottles, and the native buyer in the bazaar is particular to insist upon Howards', assuming that he has at least the chance of avoiding being victimised by his fellow-countryman, whom he will not trust any further than he can see. The imitative faculty of the Bengali is a national characteristic, and even critical purchasers found it difficult to detect the admirably executed facsimiles of the labels, bottles, capsules, and wrappers, all made in India, or distinguish from the genuine article the sulphate of cinchonidine, "made in Germany," that the spurious bottles were proved to contain. Similarly with the De Jongh's oil, also of German make, bottled in India. Nor is there any knowing how many thousands of bottles of both have been sold by the perpetrators of the fraud. Messrs. G. Atherton & Co., attorneys in Calcutta for Messrs. Howards and Messrs. Ansar, Harford & Co., have carried the prosecutions through successfully, and fines of 200*r.* (13*l.*), or three months' imprisonment in default, have been inflicted in five instances. Half of these fines (which are none too heavy), if realised, goes to the complainant firm in "compensation," and all the spurious goods found are to be destroyed, including dies and apparatus for stamping capsules. One of the accused had a record of a previous conviction in 1894 and fine of 100*r.*

for selling spurious Howards' quinine. The analytical and technical work for the prosecution was performed by Mr. W. T. Grice, of Messrs. Smith, Stanistreet & Co.'s laboratories.

## Australasian News.

**AUSTRALASIA AT THE NEXT PARIS EXHIBITION.**—The Australasian colonies have arranged to be collectively represented within the British Section of the Paris International Exhibition of 1900.

**BOTTLE-MAKING IN VICTORIA.**—The Moonee Valley Cordial Company, of Melbourne, have commenced the manufacture of glass bottles. The first furnace is in use for the manufacture of aerated-water bottles, but it is intended to extend the business until it covers all branches.

**A BOTANICAL SOCIETY** has recently been established at Perth, West Australia, and has been given the designation of the Mueller Botanic Society, as a tribute to the memory of the late Baron von Mueller. Sir John Forrest has been elected President of the new Society; Mr. Wittenoom and Mr. Leake Vice-Presidents; and Mr. Skews Secretary.

**DR. WILLIAMS'S PINK PILLS.**—At the New South Wales Supreme Court, last month, before Mr. Justice A. H. Simpson, George Taylor Fulford, of New York, proprietor of Dr. Williams's Pink Pills for Pale People, applied for an injunction restraining L. R. Davis, P. Davis, and G. R. Carey, of Glen Innes, from selling any imitations of the genuine Dr. Williams's Pink Pills. It was explained that the defendants, who were not represented by counsel, had been served with a statement of claim, and affidavits were put in, from which it appeared that they had sold pink pills at Glen Innes and elsewhere. An injunction was granted, pending the hearing of the main action.

**THE NEW PRESIDENT OF THE N.S. WALES PHARMACEUTICAL SOCIETY.**—At the April meeting of the Council of the Pharmaceutical Society of New South Wales, Mr. Llewellyn Preston Williams, J.P., was unanimously elected President for the ensuing twelve months. Mr. Williams, who has sat on the Council since 1890, has taken a prominent part in Australian pharmaceutical politics. He was born at Wrexham in 1856, served his apprenticeship with Mr. Wm. Rowland, of Wrexham, and studied under Dr. Muter. About 1876 he went to Australia, where, after passing the qualifying examination in Sydney, he went into business at Waterloo. Ten years ago he was elected an alderman for the borough, and since that time he has twice filled the mayoral chair. He has been the parliamentary returning officer for Redfern during the past three years, and will be its Free Trade candidate at the next election.

**ENFORCING THE REGISTRATION-FEES.**—A curious pharmacy case has occupied the attention of South Australian Courts. It arose out of the refusal of a local chemist to pay his annual registration-fee of half a guinea to the South Australian Pharmacy Board. The Board thereupon prosecuted the chemist for carrying on business without having paid his fee, and the defence was that the Pharmacy Act, as it stands, does not give the Board power to enforce payment of the fee. As the income from the registration-fees forms practically the whole of the resources of the Board, a decision in favour of the defendant would practically put an end to its existence. The verdict, which had not been given when the mail left, was awaited with much anxiety. The South Australian Pharmacy Board, under pressure of the Government, some time ago adopted the provisions of the Victorian Pharmacy Act practically *en bloc*. The Government were unwilling to contribute anything towards the expense of administering the Pharmacy Acts, and they, therefore, suggested that the chemists themselves should provide the wherewithal to carry on their Board by an annual registration-fee. It now appears, however, that by incorporating wholesale the provisions of the Victorian Act, the South Australian chemists have acquired a set of rules, which in many particulars are in direct contradiction to those that were already law in the last-named colony. If the defendant chemist should succeed, the Board will be compelled either to cease their functions or to get their Act amended by Parliament. The amount the defendant has already spent on his law costs would have paid his annual subscription for life.

## Pharmaceutical Society of Great Britain.

### MEETING OF NORTH BRITISH EXECUTIVE.

THE first meeting of the new Executive of the North British Branch of the Pharmaceutical Society was held on Friday, June 25, Mr. J. L. Ewing in the chair.

### ELECTION OF CHAIRMAN.

Mr. DAVID STORRAR proposed that Mr. Ewing should be re-elected Chairman for another year. He said he was not as a rule in favour of the same man occupying such a position for too long a period, but there were special reasons why they should ask Mr. Ewing to serve them for at least another year. The alterations of their premises in Edinburgh were not yet complete, and as Mr. Ewing had done a great amount of work in connection therewith it was desirable that he should continue to superintend the business. Also, in view of the Conference in Glasgow in August, his intimate acquaintance with all the work of the executive in Scotland would be of value.

Mr. BOWMAN seconded the motion, which was agreed to unanimously.

Mr. EWING said he quite agreed with Mr. Storrar in the honours going round, and he felt a good deal of hesitation at undertaking the work for another year, but as they had asked him in such a kind and unanimous way he felt it was his duty to accept office. (Applause.)

### ELECTION OF VICE-CHAIRMAN.

Mr. William L. Currie, of Glasgow, was re-elected Vice-Chairman on the motion of Mr. DAVID McLAREN, seconded by Mr. W. R. KERMATH. These gentlemen spoke in much the same sense as the proposers of the Chairman; and Mr. CURRIE, in accepting the office, said he had left Glasgow that morning with the full intention of resigning the Vice-Chairmanship, but as it seemed to be the will of the executive that he should accept the duties for another year he would fulfil them as best he could.

### COMMITTEES.

The Chairman, Vice-Chairman, and members of Executive resident in Edinburgh were appointed the General Purposes Committee.

The Chairman, Vice-Chairman, and Messrs. Storrar, Kerr, Bowman, Strachan, and Kermath were appointed the committee for the nomination of examiners. It was stated that there would be two vacancies to fill, and considerable discussion took place as to the best mode of obtaining a complete list of candidates from which to make a selection. Ultimately it was remitted to the committee to inquire and consider any names that might be submitted to them, and report to the meeting of the Executive in November.

### THE SOCIETY'S HOUSE.

The CHAIRMAN reported as to the proposed alterations to be made on the Society's house for the reception of the College of Physicians and Scoresby Jackson Museums. The Council in London proposed that these should be undertaken partially at present, and they had obtained an estimate for fitting up the present boardroom as the library so as to give up the whole of the ground floor to be used as a museum. The estimate amounted to 82*l* 15*s*. The executive accepted the estimate, and remitted the matter to the General Purposes Committee.

### MISCELLANEOUS.

The ASSISTANT-SECRETARY stated that Friday evening had been found to be a very inconvenient evening for holding their winter meetings.

It was remitted to the General Purposes Committee to make arrangements for the opening meeting of the winter session, and to consider what evening in the week would be the most convenient for the meetings, and also to consider the question of the hour of holding the annual meeting of the Society, with a view of getting a larger attendance, and to report to next meeting.

This was all the business.

## New Companies and Company News.

PEPTENZYME COMPANY (LIMITED).—Capital 100*l.*, in 1*l.* shares. To acquire the right of vending "Peptenzyme," and to manufacture, sell and deal in drugs, chemicals, patent and other medicines, proprietary articles, and toilet-preparations. Registered without articles of association.

BIRMINGHAM DENTAL SUPPLY AND MANUFACTURING COMPANY (LIMITED).—Capital 5,000*l.*, in 10*l.* shares. To acquire the business of a mineral-tooth manufacturer from James Williams, of Bradford Street, Walsall, and the business lately carried on by Arthur E. Cragg, and now by James Williams, at 86 New Street, Birmingham, as the "Birmingham Dental Supply Company." Table "A" mainly applies.

WHITAKER (LIMITED).—Capital 10,000*l.*, in 5*l.* shares (1,000 preference). To take over the business of wholesale perfumers carried on as "Whitaker & Grossmith," to enter into an undescribed agreement, and to carry on the business of wholesale perfumers, toilet-soap makers, essential-oil merchants, raw-soap makers, flower-growers, French oil, pomade, and extract makers, &c. The management is vested in a governing director, whose name is not given.

SARSFIELD & Co. (LIMITED).—Capital 1,000*l.*, in 5*l.* shares. To acquire from John Sarsfield, the chemist and druggist agency for I. Swenden & Co. (Limited), and other businesses and agencies lately carried on by William Sarsfield, deceased, to enter into a certain agreement, and to carry on the business of chemists, druggists, patent-medicine manufacturers and vendors, commission agents, &c. The first subscribers (each with one share) are:—John Sarsfield, chemist and druggist, Percy Sarsfield, builder, and Alfred W. Sarsfield, architect, all of North Bailey, Durham; Joseph N. Wise, Old Elvet, Durham, chemist and druggist; Robert Brown, Market Place, Durham, innkeeper; Miss Hannah Backhouse, Eden Street, Sillito, Cumberland; Herbert J. Leeson, 32 West Avenue, Derby, traveller. The first directors are John Sarsfield, Joseph N. Wise, Percy Sarsfield, and Alfred W. Sarsfield.

IDRIS & Co. (LIMITED).—This company has resolved to issue 50,000 new A preference shares, 1*l.* each—not debentures, as stated last week.

BROOKE, BOND & Co. (LIMITED).—The report for the year ending May 31 shows net profits of 37,443*l.*, and the directors recommend a dividend of 15 per cent., at the same time writing off 12,000*l.* from the goodwill account and adding 6,000*l.* to the reserve fund.

MELLIN'S FOOD (LIMITED).—The first annual meeting of the shareholders was held on June 24 at the works, Peckham. The report stated that the sales during the present year were greater than they had previously been in the history of the business. From the profits of the year, after payment of the half-year's dividend on the preference shares, 12,041*l.* 7*s*. 5*d.* was available for dividend, which the directors recommended should be 14 per cent. for the year, leaving a balance of 630*l.* 14*s*. 5*d.* to carry forward. The Chairman (Mr. E. C. Bliss), in moving the adoption of the report, referred to the absence of Mr. G. Mellin through illness, and said they would be glad to hear that he was somewhat better. Speaking of the year's work, he said they had several offshoots of Mellin's food which were doing well, and the trade was increasing. During that memorable year they had had times such as they had never had before. Depôts had been established at Glasgow and Liverpool, so that traders could get their supplies and save carriage, and they would gradually increase these depôts. They had been asked why they did not join the Proprietary Articles Trade Association, but he might say that long before the Association existed he had had a long talk with Mr. Glyn-Jones, and it was they who first protected their articles and allowed a minimum profit of 10 per cent. Prior to that, it was a fact that one firm at Richmond sold Mellin's food at  $\frac{1}{2}d.$  per bottle below cost-price. Mr. Eldred seconded the motion for the adoption of the report, which was agreed to.

## Legal Reports.

### SALE OF FOOD AND DRUGS ACT.

#### MINERAL OIL FOR SALAD OIL.

AT Harlesden, on June 24, Thomas Sawyer, oil and colour man, 118 Canterbury Road, Kilburn, was summoned under the Sale of Food and Drugs Act for selling  $\frac{1}{2}$  pint of salad oil which was found on analysis to consist of 100 per cent. of mineral lubricating-oil. The defendant pleaded that he had fifteen shops to look after. The oil was admitted to be ordinary "sweet," or "hair oil," but he contended it had been purchased without his knowledge. Mr. Bird, the Magistrate, said it was a serious case, and imposed a fine of 5*l.* and costs.

#### DEFECTIVE TR. RHEI.

AT the Derby Court Hall, on June 25, Eliza Mann, carrying on business at Long Eaton, was summoned for selling tincture of rhubarb deficient to the extent of 20 per cent. of proof spirit, 60 per cent. of its solid ingredients, and devoid of saffron. The defendant admitted the sale, and said she had had the tincture for a considerable time, and did not know it was deficient in any way. The Bench inflicted a fine of 2*s. 6d.* and costs; total, 21*s.*

#### CHOCOLATE CIGARS.

HANNAH HALL, 60 High Street, Buxton, was summoned by Colonel Shortt, on June 26, at the Buxton Petty Sessions, for selling sweets adulterated with 4 per cent. of paraffin-wax. The proceedings were taken under the sixth section of the Act. Colonel Shortt said this was a case of great importance, because the adulteration consisted of what must be injurious. A case had been known where a child had actually died from the consumption of this paraffin-wax. Mr. Hewitt, the county sanitary inspector, spoke to purchasing the sweets from the defendant. She called them "chocolate-cigars." Mr. White, the county analyst, said he discovered 4 per cent. of paraffin-wax in the sweets. It melted at 122 F., while the usual heat of the body was 98.4. The wax would not be melted, and might cause obstruction or inflammation. Defendant produced a card, which she said was enclosed in the box containing the sweets. It bore the inscription "Chocolate-cigars, two 1*d.*, Albion Works, Windsor Bridge, Salford." The Bench fined the defendant 23*s.*, including costs.

#### ALLEGED NOXIOUS DRUGS.—MADAME DOUGLAS ACQUITTED.

LOUISA REBECCA FINN, otherwise Madame Douglas (on bail), stylishly dressed, and described as of 127 Gaisford Street, London, N.W., was indicted at Exeter Assizes, on June 28, for that on May 28, at St. Thomas, she did unlawfully supply or procure certain drugs or noxious things called aloes, she then knowing that the same was intended to be unlawfully used and employed with intent to procure the miscarriage of a certain woman unknown. Mr. Ward Coleridge appeared for the prosecution, and Lord Coleridge and Mr. Bodilly defended the accused, who pleaded not guilty. Particulars of the case have already been published. The prisoner advertised in a Plymouth paper, "Good news for ladies," stating that "a lady, the daughter of the late eminent physician," guaranteed "a positive cure." The advertisement concluded with the name "Madame W. M. Douglas." Detective-Sergeant Crook, of the Devon Constabulary, writing in the assumed name of Florence Bluett, entered into correspondence with the advertiser, and for 8*s. 9d.* obtained from her a parcel containing a box of twelve pills and a bottle of medicine, together with some directions. The mixture and pills were submitted to Mr. Perkins, the Exeter public analyst, for analysis. The pills were found to contain aloes and sulphate of iron, and the medicine citrate of iron and ammonia. In the opinion of Dr. Kempe these preparations were calculated to produce and to procure the miscarriage of a pregnant woman. The prisoner was afterwards arrested on a warrant at the address named.

Detective-Sergeant Crook having given evidence and

stated that the prisoner's premises looked as if a large business was being done, and that he found counterfoils of two cheque-books showing that over 600*l.* had been paid to newspapers for advertisements since January 18 of this year.

Mr. F. P. Perkins, analyst, described his examination of the medicines. The pills, he said, corresponded very closely with the iron and aloes pills of the B.P.

Dr. Arthur Kempe, of Exeter, said such medicines taken frequently would probably produce abortion. In cross-examination he agreed that the pill was a purgative and the mixture a simple blood-tonic.

Lord Coleridge, in his argument for the defence, first claimed that there had been no case as yet decided in which the statute had been held to apply when there did not exist any woman who could be affected.

His Lordship suggested the case of the *Queen v. Hillman.*

Lord Coleridge said in the case quoted the drugs were supplied to a woman personally, though she had no intention of using them. His Lordship said the Judge in that case held that the real matter to determine was what was the intention of the prisoner when he supplied the drugs. He was willing to reserve the point.

Lord Coleridge further argued that the drugs in this case were not "noxious things" within the statute. His Lordship said he should leave it to the jury to decide as to the intent with which these particular pills were sent, and as to the other points he would grant a case.

Dr. J. Mortimer, medical officer for the prison, was called for the defence. He said the pill recommended by the British Pharmacopoeia was a very ordinary and harmless purge. The pill supplied by the prisoner was practically the same pill with a little less aloes and iron. The mixture was a feeble blood-tonic. It would counteract the effect of the purge. Both of them were absolutely useless for the purpose suggested. The outdoor exercise suggested by the prisoner was most salutary advice. Cross-examined: He should not have the slightest hesitation to give a pregnant woman aloes if he thought it was necessary. To take the whole of the twelve pills or six of them in a day would be injurious. Re-examined: One pill night and morning, as suggested, would be a harmless dose.

Mr. C. E. Bell, surgeon, agreed with this evidence.

In summing up, his Lordship said that though it did not affect the question before the jury, the fact that 600*l.* had been spent in advertising in six months showed that an enormous business was being done. If a drug was innocuous in small quantities, but was noxious in large quantities, and was administered in large quantities, then the person administering them would come within the statute. But if a drug, noxious in large quantities, but innocuous in small, were administered in small doses, then the person was not within the statute. Further, in this case they had to consider if the drugs would be rendered noxious by reason of the condition of the woman as described by the letter first sent to the prisoner. What he or the jury might take without harm, it had been said that a woman in the condition "Florence Bluett" was supposed to be would have been harmed by. That was the question for them to decide.

The jury retired, and were absent thirty-five minutes, returning with a verdict of not guilty, and accused was discharged. She left the dock smiling, and was congratulated by friends.

#### HUNYADI IN THE UNITED STATES.

IN the U.S. Circuit Court of the Southern District of New York, in a motion for preliminary injunction brought by Emily Saxlehner against Harry C. Graef and another, agents of the Apollinaris Company, Judge Lacombe gave the following judgment on June 17 last:—Most of the questions which have been presented and argued on this motion may be best reserved for final hearing. It will not be necessary to express any opinion as to whether laches or inaction has in any way impaired complainant's right to enjoin imitations of the unattractive, but peculiarly distinctive, label of dark blue and red, with the vignette of John Huniados, which has been the well-recognised livery in this country of the original Hunyadi-Janos water for many years. For the purpose of this motion it will be assumed that complainant's right to prevent the sale of other bitter waters in a dress calculated to deceive the public as to their identity with the

Hunyadi-Janos is entirely unimpaired. It appears that many years ago the markets of this country were flooded with dark blue and red labels, lettered with variations of the name "Hunyadi," and calculated to deceive the public. At that time the Apollinaris Company was the sole consignee of complainant's predecessor (Andreas Saxlehner) in the United States. Said company urged Saxlehner to unite with it in suit to stop such infringements, but he peremptorily refused. Thereupon the Apollinaris Company adopted a distinctive badge of its own—to wit, a red diamond on a yellow ground, with the inscription: "The diamond is the trade-mark of the Apollinaris Company (Limited), and is meant *only* to indicate that mineral waters so marked are sold by the Apollinaris Company (Limited)." And so long as it continued to sell Saxlehner's Hunyadi-Janos water it pasted its individual mark upon each bottle. It no longer sells Saxlehner's Hunyadi-Janos water, and it now affixes its individual red diamond label on another natural Hungarian aperient water which it now sells. Complainant has no right to this red diamond label, and her application for an injunction could be sustained only on the theory of unfair competition. Of course, having handled the original Hunyadi-Janos water so long, and become well known as the exclusive importers of it into this country, the Apollinaris Company when it took up another variety of water was bound in good faith to the public to offer the new water in a dress so different as to challenge the attention of the purchaser to the fact that it was some other mineral water to which the red diamond label is now affixed. This has been done; the label of the "Apenta" water now sold by the Apollinaris Company is totally unlike the old Hunyadi-Janos label; it fully sustains the proposition repeatedly laid down in this court that when there is an honest effort to accentuate differences in labels and wrappers there need be no confusion as to the identity of competing goods. Comparison is made with the later form of defendant's label, which no longer contains the words, "Bottled at the Uj Hunyadi Springs." Whether the continued use of the word "Hunyadi" after the sale of complainant's water was discontinued was or was not proper may appropriately be left for final hearing. Promptly upon the decision in the Hungarian tribunal that word disappeared from defendant's labels, and when it is a question whether preliminary injunction shall issue it is always appropriate to consider what it is which defendant threatens to do if unrestrained. Should defendant hereafter and before final hearing resume the use of the word "Hunyadi" the question can then be presented by a renewal of the motion. Meanwhile the motion for preliminary injunction is denied.

#### COUNTY COURT CASES.

##### TRAVELLEE'S COMMISSION FOR SELLING A BUSINESS.

AT the Wigan County Court on Tuesday, before Judge Jones, Joseph Dixon, brewers' traveller, Wigan, sued William Ascroft Bibby, Manchester, for the recovery of 12*l.* 10*s.*, balance of commission alleged to be due on the sale of the Crown Mineral-water Works, Hindley. According to plaintiff's evidence, he got into communication with defendant in May, 1896, on hearing that the business was for sale, and after some preliminary negotiations defendant stated that he would be glad to pay him 5 per cent. on the sale of the machinery, bottles, &c., on condition that the buyer was introduced by plaintiff. There was also a suggestion about a company, but it was entirely optional with plaintiff whether he took steps to obtain the floating of a company by some brewers that he knew, or whether he found a private customer. He did not undertake to float a company, because he knew that might be impossible. Four weeks later he heard that a man named Fairhurst, of Wigan, was in want of such a place. He showed him over the works and introduced defendant to Fairhurst, who eventually purchased the business through plaintiff for 450*l.* Bibby afterwards paid him 5*l.* on account of commission, and plaintiff sent him a receipt, and again a few days afterwards he asked defendant for the balance. Bibby made the reply that he was rather short of money, and could not exactly see his way to pay him the whole of the amount at once. On October 26 Bibby paid him another 5*l.*, and there was a balance of 12*l.* 10*s.* left. There was never any arrangement as to paying the amount in instalments; in fact, it was

understood that the amount was to be paid at once on the sale being effected. The letter offering the 5 per cent. was the proof upon which he relied.

The defence was that plaintiff undertook to float the concern as a company in one month, which was ultimately extended to two months. Nothing was done within that time, and plaintiff then gave up all claim to his commission. Defendant looked upon the money given Dixon as a present (not as commission), knowing that he had spent time in going about seeing different brewers and trying to float the matter. He contended that the plaintiff threw up the agency, saying in a letter to him that he (plaintiff) saw no chance of selling the place. The Judge was clearly of opinion that there was a contract between the parties, and gave a verdict in favour of the plaintiff for the balance, 12*l.* 10*s.*, costs to follow.

#### THE KNOCK-OUT SALE.

AT the Woolwich County Court on Wednesday, Judge Addison had before him the case of *Leopard v. Litoun*. This was the new trial ordered by the superior Court. Mr. Bryceson appeared for the plaintiff, and Mr. Arthur Powell for the defendant. The claim was for 10*l.* for breach of contract arising out of a sale of surplus stores which took place in the Arsenal on November 24 last year. Plaintiff was a sack-merchant at Wandsworth. The defendant was a metal-merchant at Whitechapel. On the day of the sale plaintiff and defendant arranged that defendant should buy 363 lbs. of sweet spirit of nitre, and that plaintiff should refrain from bidding. The goods were knocked down to defendant for 5*l.*, and a dispute arose about a division of the profits. The Woolwich Deputy Judge expressed an opinion that it was a conspiracy to defraud Government, and decided that the transaction was illegal. On appeal, the Divisional Court ordered the nonsuit to be set aside, and sent the case back for re-hearing. Mr. Leopard, in his evidence, said he paid Litoun 6*l.* for the goods, and contracted with Messrs. Mackey, Mackey & Co., wholesale druggists, to sell them for 13*l.* 10*s.* Mr. Bryceson said the actual value was 20*l.* 8*s.* 1*d.*; but the Arsenal authorities were quite satisfied with what they got. Evidence was given that the sweet spirit of nitre went through various hands for the following sums:—5*l.*, 6*l.*, 7*l.*, 14*l.* 3*s.*, and 20*l.* 8*s.* 1*d.*, a firm in Bishopsgate Street, City, giving the latter sum, the firm owning in court that this was below its market value, and that they gave 1*s.* 5*d.* per lb. for the alcohol in it. For the defence, Mr. Litoun said there were six persons in the knock-out, and that each person claimed 5*s.* as his share of the profits. After a hearing lasting two and a half hours, the Judge said there was nothing illegal in the transaction at the Arsenal sale. Everyone attending a sale by auction had a right to get the articles as cheap as he could, so long as he refrained from hustling people about and keeping them away from the sale. He bowed to the Court of Appeal, and the more so now he had heard all the facts of the case. He was disposed to assess the damages at 11*l.* 17*s.*, but would give final judgment next week.

#### A CHEMIST AS ESTATE AGENT.

IN the City of London Court on Tuesday Mr. Commissioner Kerr tried a case in which Mr. Joshua H. Cuff, chemist and druggist, 8 Southgate Place, New Southgate, sued Mr. John G. Brex, 59 Gresham Street, E.C., for the recovery of 16*l.* 5*s.* commission due for the sale of a house at Southgate. The plaintiff said he had recently started as an estate agent as well as a chemist. He was asked by the defendant to find him a purchaser for a house which he wished to sell. He introduced the matter to one Braybrooks, his next-door neighbour, and Mr. Braybrooks bought the premises for 650*l.*, the price originally asked by the defendant. The defendant had told him that if he could get a purchaser he would pay the usual commission of 2*½* per cent. He denied that he introduced the matter as a friend. The defendant denied that he ever agreed to give the plaintiff any commission. The purchaser had, he said, as much opportunity of seeing the board which was put up as the plaintiff. Mr. Commissioner Kerr said that having regard to the contradictory testimony he would adjourn the case for trial before a jury.

## THE ACTION ABOUT DYES.

MR. JUSTICE WILLS, sitting in the Queen's Bench Division, continued for several days the hearing of the case of the Badische Anilin und Soda Fabrik *v.* La Société Chimique des Usines du Rhône (formerly Gilliard P. Monnet et Cartier and John D. Wilson). This was an action brought by the plaintiffs to recover damages from the defendants for an alleged infringement of the plaintiffs' patents, and for an injunction restraining further infringement. The defendants denied any infringement, on the ground that the patents had been anticipated. The facts have already been published. A large number of expert and scientific witnesses were examined on both sides, and the taking of evidence concluded on Tuesday morning. It was then arranged that the case should be adjourned, in order to enable the learned counsel to go through the evidence with a view of preparing the speeches which they would address to his Lordship on behalf of their respective clients. Counsel for the plaintiffs: Mr. C. A. Cripps, Q.C., M.P.; Mr. Roger Wallace, Q.C.; Mr. W. N. Lawson, and Mr. J. C. Graham. For the defendants: Mr. Fletcher Moulton, Q.C.; Mr. Bousfield, Q.C., M.P.; and Mr. Colefax.

## Bankruptcy Reports.

*Re* T. R. ANCELL, 5 and 6 Great Winchester Street, E.C.

THIS debtor, who was formerly a chemist at Hastings, where he made a private arrangement with his creditors, appeared for his public examination at the Court of Bankruptcy last week. With a capital of 1,000*l.* he started on his own account as a company-promoter at 46 Queen Victoria Street, where he continued until August last, when he abandoned the business. He lost 7,000*l.* on gold-mining shares, but made 20,000*l.* in company-promoting, about 7,000*l.* of this being still due. The examination was at this point adjourned, and was resumed on Monday, when the debtor stated that it was thirty years ago that he was a chemist at Hastings; afterwards he was for some years in South America; then he returned to England, became traveller to a champagne-merchant for about a year, and becoming acquainted with one Zuccani, entered with him into company-promoting transactions. The Jameson raid caused serious depreciation in the value of shares which he held, and his failure was partly attributed to that. The gross debts are 23,872*l.*, and assets 8,527*l.* The examination was concluded.

*Re* CHARLES JOHN WILLIS, 18 Clarence Street, 2 High Street, and 1 Queen's Buildings, all of Cheltenham, Chemist and Druggist.

A FIRST meeting of creditors under this failure was held at Cheltenham on June 24. The debtor's estimate showed gross liabilities 1,182*l.* 5s. 11*d.*, of which 1,134*l.* 13s. 1*d.* was expected to rank, made up as follows:—67 unsecured creditors, 944*l.* 12s. 1*d.*; creditors partly secured, less 30*l.*, estimated value of the security, 188*l.* 14*s.* 4*d.*; preferential creditors, less contra, 1*l.* 6*s.* 8*d.* Debtor's assets were estimated to produce 142*l.* 19*s.* 4*d.* Debtor alleged, as causes of failure, want of capital and becoming surety for Willis & Co. in 1890 for 625*l.*, of which 300*l.* was still owing. The Official Receiver said the bankrupt stated that in 1890 he became surety for his father, a carrier in Cheltenham, for 625*l.*, and as he had no assets he thereby rendered himself insolvent. In 1891 the bankrupt borrowed 600*l.* from Lloyd's Bank for the purpose of purchasing the business of Mr. Wood, in Clarence Street, and Messrs. J. J. Moss, W. V. Thornton, and T. Pakeman, became guarantors for 200*l.* each to the Bank on his behalf. The business was assigned by Mr. Wood to the three guarantors. One of them, Mr. Pakeman, had been paid off, the debtor having borrowed 200*l.* from a Mrs. Walker for that purpose. Now Messrs. Moss and Thornton claimed to be the owners of the Clarence Street business. The Official Receiver, however, pointed out that since the establishment of the business the debtor had always treated the proceeds of sales as his own; in fact, he had bought furniture and presented it to his father. If Messrs. Moss and Thornton had any interest in it as assignees, Mr. Pakeman had a similar interest, and he (the Official Receiver) was a

trespasser. Mr. Russell, who appeared for the guarantors, asked: Can't Mr. Willis tell us anything? Mr. Willis nodded his head with a smile and refused. No settlement was arrived at, and the matter will be threshed out at the public examination of the debtor. The meeting came to an abrupt termination.

*Re* THOMAS SALMON, Corwen, Chemist.

THE public examination of this debtor took place at the Wrexham Bankruptcy Court on Tuesday last before the Registrar. The statement of affairs disclosed liabilities amounting to 321*l.* 6*s.* 11*d.*, and the deficiency was estimated at 305*l.* 4*s.* 6*d.* The debtor alleged his failure to have been caused through want of capital and smallness of trade. The examination was ordered to be adjourned until the next court.

*Re* THOMAS NODEN BROOKE, 28 High Street, Doncaster, Chemist and Druggist.

THIS debtor has, on his petition, had a receiving order and an order of adjudication made against him. Mr. A. Howe is the solicitor.

## Deed of Arrangement.

**Hulley, James**, 9 and 11 Claremont Road, Handsworth, manufacturing chemist and perfumer. Trustee, Walter P. Vale, Christ Church Passage, Waterloo Street, Birmingham, chartered accountant. Dated June 18; filed June 24. Secured creditors, 87*s.* 19*d.*; liabilities unsecured, 1,971*l.* 10*s.* 5*d.*; estimated net assets, 1,085*l.* 1*s.* Deed of inspectionship and assignment upon trust, &c., with a view to payment of a composition of 10*s.* in the pound, payable by five equal instalments on September 18 and December 18, 1897, and March 18, June 18, and September 18, 1898. The following are scheduled as creditors:—

	£ s. d.
Barrett, R. H., London	.. .. .. .. 13 0 0
Barnett, S., Birmingham	.. .. .. .. 27 0 0
Belshard, J., Nottingham	.. .. .. .. 11 0 0
Bishop, T., Birmingham	.. .. .. .. 40 0 0
Braham, F. J., Birmingham	.. .. .. .. 503 0 0
Brehmer, A., London	.. .. .. .. 23 0 0
Christy, W. M., & Sons (Limited), Manchester	.. .. .. .. 17 0 0
Gill, W., & Son, Leeds	.. .. .. .. 50 0 0
Ehrmann Frères, London	.. .. .. .. 26 0 0
Ford, Shapland & Co., London	.. .. .. .. 23 0 0
Goodman, G., Dublin	.. .. .. .. 53 0 0
Hendley, W. H., & Co., London	.. .. .. .. 23 0 0
Holdsworth, B., Birmingham	.. .. .. .. 25 0 0
Hornet & Sons, London	.. .. .. .. 13 0 0
Howards & Sons, London	.. .. .. .. 21 0 0
Hugues Hiné, Greisse	.. .. .. .. 12 0 0
Johnsen & Jørgensen, London	.. .. .. .. 22 0 0
Lakins, E., Birmingham	.. .. .. .. 32 0 0
Levy, B., Birmingham	.. .. .. .. 29 0 0
Lorenz Hugo, London	.. .. .. .. 11 0 0
Mitchell Brothers (Limited), Manchester	.. .. .. .. 88 0 0
Nunn, T. T.	.. .. .. .. 74 0 0
Preston's Distillery Company (Limited), Liverpool	.. .. .. .. 31 0 0
Prie E., Birmingham	.. .. .. .. 13 0 0
Prie, J., Birmingham	.. .. .. .. 37 0 0
Sanders, H. G., & Sons, London	.. .. .. .. 10 0 0
Schlesinger, L., London	.. .. .. .. 70 0 0
Sharp Brothers, London	.. .. .. .. 27 0 0
Spurway & Cie, Caunes	.. .. .. .. 144 0 0
Whitehead, P. H., Birmingham	.. .. .. .. 64 0 0
Winter, G. J., & Co., London	.. .. .. .. 15 0 0
Wright & Hall, Leek	.. .. .. .. 1 0 0
Zimmermann & Co., Manchester	.. .. .. .. 17 0 0
Bankers' claims	.. .. .. .. 199 0 0

THE INTOLERABLE RINGING IN THE EARS caused by quinine sulphate is prevented by the addition of  $\frac{1}{120}$  gr. of atropine sulphate to each dose of the quinine.

RUSSIAN AND POLISH JEWS have captured the larger part of the drug-business in the Bowery quarter of New York. They work on the principle "quick returns, small prices, and large profits."

## Gazette.

## PARTNERSHIPS DISSOLVED.

Hill, F. B., and Brett, R. D., the Grenade Works, Haymerle Road, Peckham, S.E., under the style of the Harlen Star Lewis and Sinclair Company.

Mitchell, T. W., and Sutcliffe, D. W., gelatine and glue manufacturers, Saddleworth, under the style of Mitchell & Co.

## THE BANKRUPTCY ACTS, 1883 AND 1890.

## RECEIVING ORDER.

Silkstone, Benjamin, Wolverhampton, drysalter.

## ADJUDICATIONS.

McNicoll, John, Southport, late Poole, surgeon.

Stewart, John, Manchester, commercial traveller, late soap-dealer.

## ORDERS MADE ON APPLICATION FOR DISCHARGE.

Keall, Francis, Ilfracombe, chemist and druggist and dentist—discharge granted conditionally.

Shakerley, Benjamin, Penzance, chemist and druggist—discharge suspended for two years, ending May 22, 1899.

## Novelties.

## NEW VINOLIA GOODS.

MESSRS. BLONDEAU ET CIE, of Malden Crescent, N.W., make steady progress in the toilet and perfumery business, and they seem to be careful that each new article which they produce shall not be a bit behind anything already on the market. A good, new article is the vinolia cosmetic, put up in the white-metal cases now so familiar through vinolia shaving-soap. This cosmetic is made with an excellent fatty basis, the melting-point of which is just right, and the coloured varieties are perfectly uniform and free from grit. They are also putting up the *Lait vinolia* in a cheaper size, in cream-coloured bottles with a pretty label. This is a fine summer article. It never becomes strong like some makes of milk of roses and cucumber-cream, and appears to possess



the advantages of both. A shilling perfume, in stoppered bottles, elegantly finished, is figured above. The name of each perfume is indicated by the slip-label round the neck. We have further to notice two new soaps—the cheap hexagon which we illustrate, and a high-class violette-de-Parme soap. The latter is uncoloured, but there is a balsamic look about it which is not unpleasing. It is highly perfumed, and, needless to say, the base is consistent with vinolia's reputation.

## P., D. &amp; CO. PREPARATIONS.

MESSRS. PARKE, DAVIS & CO., 21 North Audley Street, W., have introduced a new taka-diastase tablet, in which the powerful starch-converting ferment is associated with pepsin,

pancreatin, and sodium bicarbonate, the result being a combination which acts like a charm in those cases of dyspeptic heartburn which come on about an hour after eating. Another tablet which is creating attention amongst laryngologists is the "plasma nasal," devised by Dr. Murray McFarlane, of Toronto, which is a combination of alkaline chlorides, phosphates and sulphates, to each of which  $\frac{1}{15}$  gr. of menthol is added. The salts are so adjusted that when one tablet is dissolved in 2 oz. of lukewarm water, the resulting solution is of the same specific gravity as that of blood, and the result is sure-topical application when the solution is applied as a spray to the mucous membrane. We would also call attention to Messrs. Parke, Davis & Co.'s distilled extract of witch-hazel, which is a carefully-made distillate; and the hematic hypophosphites, an exceptionally pleasant compound syrup, containing in each fluid oz. potassium hypophosphite,  $1\frac{1}{2}$  gr.; manganese hypophosphite, 1 gr.; strychnine hypophosphite,  $\frac{1}{8}$  gr.; iron hypophosphite,  $1\frac{1}{4}$  gr.; calcium hypophosphite, 1 gr.; and quinine hypophosphite,  $\frac{7}{16}$  gr. They have also placed on the market a compound liquor of the saw palmetto (*Serenoa serrulata*), cornsilk, and sandalwood oil, which promises to be of value in the treatment of certain diseases of the generative organs. The liquor is a pretty preparation. Samples of these preparations can be obtained from the firm by those who think of stocking them or bringing them under the notice of medical men.

## ICHTHYOL PALATINOID.

MESSRS. OPPENHEIMER, SON & CO. (LIMITED) have introduced a palatinoid containing 3 gr. of ammonium sulpho-ichthyolate. The medicine occurs in the palatinoid as a powder, which diffuses with the gastric contents as soon as the soluble membrane dissolves. Hence certainty of action is combined with elegance of exhibition.

## A NEW LINE IN PERFUMES.

MESSRS. B. F. MOISE (LIMITED), 9 Butler Street, Milton Street, E.C., are putting up 6d. and 1s. perfumes in an unusual style—viz., oval bottles with crown sprinklers, tied with silk bows, and the labels in various art shades printed in gold. The quality of the perfume inside the bottles appears not to have been sacrificed for the sake of the elegant appearance outside. With one-gross quantities the firm give a glass-top showcase without any name upon it, so that retailers may sell the perfumes as their own, and that is made possible by the perfumes being obtainable with or without "B. F. Moise (Limited)" on them.

## Mr. Bodemann Speaks out.

MR. W. BODEMANN is a Chicago pharmacist—and high-class, as may be judged from the following circular which he issued recently:—

"Introducing to you a very superior perfume extract, I would ask you to give your kind consideration to the following facts:

"I have two pharmacies in those sections of Hyde Park known as Madison Park and Forty-third Street.

"Both pharmacies are pharmacies, and are the oldest ones in this section. In my two places of business undivided attention is given to the drug-business. No soda-fountain, no 'white winged' artist behind the counter suggest 'winks,' 'mint-juleps' or bar-practice under the cover of soda-water.

"I never degraded my pharmacies to the rum-shop level and never will, and if you wish to select a pharmacy for your family trade, kindly bear this in mind."

Now, if an English pharmacist had said that, what a disturbance there would have been!

"FREE LUNCH WITH EVERY PURCHASE OF DRUGS" is the latest sign hung out by a Boston (U.S.A.) pharmacy.

## Personalities.

DR. E. R. SQUIBB, the well-known Brooklyn pharmacist and chemist, is not well, and is spending the summer in Norway.

THE HON. F. S. GRIMWADE, of Melbourne, was one of the distinguished colonials entertained by Sir Henry Irving at the Lyceum Theatre on Monday evening.

MR. PROCTOR, chemist, Glossop, as Chairman of the Glossop Board of Guardians, laid the foundation-stone of a new infirmary for the Glossop Union on June 24, and was presented with a handsome silver trowel.

MR. HENRY JONES (retired chemist), late of the Apothecaries' Hall, Mossley, and now of Westleigh, Mossley, has been appointed by the Chancellor of the Duchy of Lancaster one of the Jubilee Magistrates for the borough of Mossley.

MR. A. J. WHITE, of Mother Seigel fame, has been thanked by the Ohio Pharmaceutical Association for the services which he has done the trade of the State by his war against the Dairy and Food Department of the State, which was rather harassing about adulterations.

AT the June Convocation in connection with the Durham University, held in Durham city on Diamond Jubilee Day, the degree of B.Litt. (Bachelor of Letters) was conferred on Miss R. E. T. Roberts, of Stello House, Blaydon-on-Tyne, youngest daughter of Mr. Joseph Roberts, chemist, of Newcastle and Blaydon.

MR. M. J. ELLWOOD, of Messrs. Ellwood & Son, chemists, Leominster, has delivered an interesting lecture to the Woolhope Naturalists' Field Club on "Certain Well-waters in North Herefordshire." The lecturer showed an intimate acquaintance with water-analysis, and with the geological formation of the district dealt with.

SIR JOHN WILLIAMS, BART., M.D., the eminent accoucheur who attends the advent of royalties, is the son of a South Wales farmer, and when a boy was apprenticed to a chemist and druggist in Swansea, with whom he quickly quarrelled and left, the master predicting that no good would ever come of him—as a druggist. So it is said. Who was the master?

MR. RICHARD EDWARD KELLETT, chemist and Conservative, and MR. JONATHAN PHILLIPS, chemist and Conservative, both of Wigan, are among the Jubilee Magistrates. Both of these gentlemen are Aldermen, and have taken an active part in local politics. Mr. Kellett is Chairman of the Corporation Baths, and Mr. Phillips has been Mayor of the borough.

AT a meeting of the Ferdinand de Rothschild Lodge, No. 2,420, held at the Masonic Hall, Aylesbury, on June 10, Bro. Walter Surfleet, chemist and druggist, of that town, was installed W.M. for the ensuing year. There was a large attendance of members and visitors, and after closing the Lodge the brethren adjourned to the lower hall for the banquet, to which nearly sixty members and visitors sat down, when the usual loyal and Masonic toasts were duly honoured. An excellent programme of music was provided by Bro. Geo. May, of St. Paul's Cathedral, assisted by Bros. Harper Kearton and W. H. Brereton.

THE will of the late Mr. Henry Hodder, of Broad Street and Tyndall's Park, has just been proved in the Bristol District Registry. The total estate was 1,561*l.* 9*s.*, but duty was paid thereon to the amount of 2,827*l.* 4*s.* 3*d.*, in consequence of the testator having disposed of the bulk of his estate by deed of gift (50,000*l.*) within two months of his death. The will, which is dated June 3, 1896, leaves a legacy of 250*l.* to his son Henry William Bennett Hodder, and 250*l.* to his son Edward Hodder. The residue of the estate is left to his wife, Louisa Hodder, who is appointed sole executrix.

MISS FLORENCE LLOYD, who was one of the passengers lost by the sad wreck of the P. & O. s.s. *Aden*, was the daughter of Mr. T. Howard Lloyd, of Leicester, who is well known in connection with Church and Young Men's Christian organisations in the Midlands, and for whom much sympathy will be felt. Miss Lloyd went to Foo Chow in 1892, under the auspices of the Zenana branch of the Church of England

Missionary Society. She was returning for rest and change. She wrote from Colombo on June 1, saying that the *Aden* was an uncomfortable boat, and measles had broken out among the children on board. Her brother is a missionary in Uganda.

SIR EDWARD MONTAGUE NELSON, one of the new Knights-Commander of the Order of St. Michael and St. George, is a son of the late Mr. George Nelson, who founded the firm of Nelson, Dale & Co., gelatine-manufacturers, at Warwick. Sir E. M. Nelson now resides at Ealing, and has for many years taken a leading part in the local affairs of that district. In 1892 he was Sheriff of Middlesex. The firm of Nelson, Dale & Co., with which Sir E. M. Nelson is still actively associated, drew its supplies of raw material from Australia long before the exportation of frozen meat became one of the staple trades of the colonies. They for many years owned enormous sheep-farms, and in 1883 the firm of Nelson Brothers (Limited) was formed, with Sir E. M. Nelson as managing director and chairman, for the purpose of trading as importers of New Zealand mutton. Two or three years ago the business received an impetus by the invention of Sir E. M. Nelson of a new method of "defrosting" frozen meat. Sir E. M. Nelson was the disappointed Conservative candidate for Warwick when, on the resignation of the Speaker, Mr. Chamberlain claimed it for the Liberal Unionists. Possibly this fact goes some way to explain the knighthood.

## New Books.

Denaecker, A. *La Recherche des Principaux Microbes Pathogènes de l'Homme.* (The Investigation of the Principal Pathogenic Microbes of Man.) Reprint from the *Bulletin de la Société Royale de Pharmacie de Bruxelles.* 8vo. Paper wrappers. Pp. 53. (Chas. van de Weghe, Brussels.)

Don, John. *First Stage: Sound, Light, and Heat.* (The Organised Science Series.) Post 8vo. Cloth. Pp. 307. With woodcuts. 2s. (W. B. Clive.)

Guareschi, Dr. Icilio. *Einführung in das Studium der Alkalioide, mit besonderer Berücksichtigung der vegetabilischen Alkalioide und der Ptomaine.* (Introduction to the Study of the Alkaloids, with especial consideration of Vegetable Alkaloids and Ptomaines.) German text by Dr. H. Kunz-Krause. Second vol. Large 8vo. Paper covers. Pp. 305-657. (Hermann Heyfelder, Berlin.)

Hayes, M. H. *Veterinary Notes for Horse Owners: a Manual of Horse Medicine and Surgery.* 202 illus. 5th ed. enl. Cr. 8vo. Pp. 754. 15s. (Thacker.)

Lescher, F. Harwood. *Recent Materia Medica and Drugs occasionally Prescribed. Notes on their Origin and Therapeutics.* 5th edition. 8vo. Cloth. Pp. 219 and 12. 2s. 6d. (Churchill.)

Morgan, J. L. H. *Theory of Solution: Results for Chemists &c.* 8vo. Pp. 64. 4s. 6d. net. (Chapman.)

Pearmain, T. H., and C. G. Moor. *The Analysis of Food and Drugs. Part I.: Milk and Milk Products.* 8vo. viii + 132 pp. Paper covers. 5s. (Baillière.)

*The Year-book of Photography and Amateur's Guide, 1897.* (Vol. 38.) 8vo. Pp. 644. 1s. in paper covers. (Photographic News.)

Waring, E. J. *Remarks on the Uses of some of the Bazaar Medicines and Common Medical Plants of India.* With a full Index of Diseases, indicating their Treatment by these and other Agents procurable throughout India. 5th ed. 12mo. Pp. 308. 5s. (Churchill.)

Welch, J. Cathibert, F.C.S. (Editor). *General Index to the "Proceedings of the Society of Public Analysts," Vol. I., 1876, and to "The Analyst" Vols. I.-XX., 1877-1896.* 4to. Cloth. Pp. 181. 10s. net. (Baillière.)

White, W. Hale, M.D. *Materia Medica, Pharmacy, Pharmacology, and Therapeutics.* 2nd edition, revised and enlarged. Feap. 8vo. 7s. 6d. (Churchill.)

**A JUBILEE GIFT.**—The proprietors of Bovril (Limited) did a graceful act to the poor in the immediate vicinity of their works in St. Luke's, by sending 300 fowls, a great basket of toothsome sandwiches, and another of choice pastry and strawberries, as a Jubilee gift for the poor old people in the City Road workhouse of the Holborn Union.

## Compressed Criticisms.

The *Medical Annual* for 1897 is better and bigger than ever. Dr. William Murrell's article on "New Remedies" is very complete and well done. It begins the *Annual*, and gives the keynote to the whole. We still consider that this book is one of the best of its kind for chemists and druggists who wish to keep up to date in medical and surgical matters. [Published by John Wright & Co., 7s. 6d.]

The *Year-book of Photography and Amateurs' Guide* is the biggest shillings-worth going. It is edited by Mr. E. J. Wall, who contributes what is really an introductory treatise to the photographic art, which alone is worth the price of the annual, but there are besides hosts of tables and formulae, notes on novelties, a tourists' guide to all photographically important places in the kingdom, an article on lantern-slides, some very good pictures, &c., not to mention the advertisements, which make the bulk of the 642 pages. [Published by the *Photographic News*.]

*Les Nouveautés Chimiques pour 1897* is one of a series of annuals written by Dr. Camille Poulen, of Poulen Frères, Paris. It deals with all kinds of apparatus which have been suggested in the year previous to publication for use in the several branches of chemistry, viz.: (1) chemistry and physics generally, (2) laboratory-apparatus, (3) analytical apparatus, (4) electrical appliances, and (5) bacteriological apparatus. Pharmacy is, of course, included—e.g., Hoseason's extraction-apparatus (*C. & D.*, xlvi, page 427) and N. and P. Jones's still-alarm. The busy pharmer and laboratory manager who want to get ideas in compact form will be delighted with the book. [Published by J. B. Baillière et fils, Paris. 3.50f.]

ANDÉS's *Vegetable Fats and Oils* has been translated into English by Mrs. Charles Salter, who has done the thing well. The volume is "a handbook for oil manufacturers and refiners, candle, soap, and lubricating-oil makers, and the oil and fat industry in general." It is a compact book, in which the author has succeeded in incorporating sufficient scientific data (botanical and chemical in particular) with sound information regarding the manufacture, supply, and uses of the various products. We have noticed in reading the book several points upon which we are prepared to join issue with author and translator—e.g., "wood oil . . . has not yet appeared in Europe"—and the errors in generic names are more numerous than they should be; but, on the whole, the book is good. It is adequately illustrated. [Published by Smith, Greenwood & Co.]

IN *The Handling of Dangerous Goods* Mr. H. Joshua Phillips, F.I.C., F.C.S., gives us a unique book. It practically amounts to a popular description of the properties of all chemical substances which are destructive when they are



### Address presented to the Queen by the Pharmaceutical Society of Ireland.

The above is a reduced reproduction of the handsomely illuminated address. It was written on vellum and enclosed in a Russian leather silk-lined case. We reprint the wording:—

MADAM, May it please your Majesty,  
We, the President and Council of the Pharmaceutical Society of Ireland, respectfully approach your Majesty on behalf of ourselves, the Members of our Society, and the Associate Druggists, to offer you our congratulations on the unprecedented length and glory of your Reign.

Of the many beneficent Acts obtained through your successive Parliaments for the good of the United Kingdom, and particularly for that portion of it in which we exercise the trust committed to us, we are happy to consider that that which called us into existence will in time be reckoned not the least. The condition of Pharmacy in Ireland at the beginning of your Majesty's Reign was, no doubt, under the authority of the Apothecaries Act, in a healthy and prosperous state, but owing to developments consequent on that prosperity, and the practice of Medicine having advanced to the prejudice of Pharmacy, we were called into existence to fill the place vacated. Since then we have striven to secure to the public the benefits of superior Pharmacy, and earnestly pray that your Majestys reign may still be continued, and that your remaining days may be days of health, happiness, and honour.

We would express our loyalty to your Throne and Person, and earnestly pray your Majesty's Reign may still be continued, and that your remaining days may be days of health, happiness, and honour.

We have the honour to be, Madam,

On behalf of the Pharmaceutical Society of Ireland,

Your Majesty's Faithful and Obedient Servants,

W. F. WELLS, Jun., President. ARTHUR T. FERRALL, Registrar.

not kept in their proper place. Acids, alkalies and their salts, gases, inflammable liquids and solids, and combustive and explosive substances form the first part of the book. The second part is made up of instructive accidents caused by these dangerous goods—*experiencia docet*; and the third gives important information (from railway regulations, &c.) regarding the carriage and packing of them, to which are added various bits of useful information. We cannot forgive Mr. Phillips for classing chloroform as "a highly inflammable liquid," but must say that his book is instructive and valuable. [Published by Crosby Lockwood & Son, 9s.]

*The Introduction to the Study of Alkaloids* ("Einführung in das Studium der Alkaloide"), which Dr. Hermann Kunz-Krause, of Lausanne University, has translated into German from the Italian original of Dr. Icilio Guareschi, has been completed by the publication of the second part, which carries the volume to 657 pages (quarto). The high opinion which we expressed upon the first part of the work is accentuated by the present one. The discussion of the constitution of alkaloids is completed in the first hundred pages, and, by means of a large number of constitutional formulæ, the relation of closely allied alkaloids, and of these to substances from which they may be synthesised, is clearly demonstrated. Three pages are devoted to metalamines; then the author proceeds to treat of alkaloids in the strict sense of the term. In all that has preceded the discussion includes many bodies, such as chinoline and thalline, whose properties are those of alkaloids, but in the fourth part the natural alkaloids solely are discussed. This part begins with an interesting study of the conditions in which alkaloids exist in plants, how they can be isolated, and so on. The influences of reagents are fully gone into; indeed, all influences (including electrolysis) likely to affect alkaloids are taken into consideration. Then follows a list extending to fourteen pages of alkaloids existing in plants, arranged according to natural orders, and this is followed by an adequate consideration of each. The fifth part is devoted to ptomaines and leucomaines, to which is added an appendix containing recent facts. The work is one of great value to teachers, investigators, and advanced students. We have nothing like it in the English language; even our best chemical dictionaries are far behind it. The references to original sources alone are of great utility. It should be noted that Dr. Kunz-Krause contributes many notes; indeed, his work in supplementing may be put on the same level as that of translating. We recommend the work to all who can read German. [Published by H. Heyfelder, Berlin (R. Gaertner's Verlag).]

## Trade-Marks Applied for.

(From the "Trade Marks Journal," June 23, 1897.)

"HOLOCAIN"; for an anaesthetic. By Die Farbwerke vorm Meister Lucius & Brüning, Hoechst a/Main, manufacturers, 202,036.

"CAMBO"; and other wording, on circular label; for pills and ointment. By Charles William Brooks, 9 Market Street, Weymouth, licentiate of the Pharmaceutical Society of Ireland, 204,133. Essential particular: the word "Cambo."

"HOLYROOD," and head of deer surmounted by cross, on oblong label; for an aerated mineral water. By J. F. Macfarlan & Co., Abbeyhill Chemical-works, Edinburgh, manufacturing chemists, 201,462. Essential particular: the device.

Label device with wording, "Beefone gives backbone," &c., and figure of man in centre showing spinal column produced by x rays; for essences of beef for use as food. By Cautley Dawson, 2 Radford Road, Hyson Green, Nottingham, and Micklefield Terrace, Rawdon, near Leeds, M.D. 202,978. Essential particular: the device.

DENTAL HÆMORRHAGE is quickly stopped by carbolised resin. It is a mixture of powdered resin 4 parts; carbolic acid 3 parts; and chloroform 2 parts. Make a short, thick cotton rope, larger than the wound to be treated, moisten the end well with the compound and plug the cavity tightly. The bleeding will cease almost as if by magic, says Dr. Wicks, of Brooklyn.

## Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section, free of charge, if properly authenticated.

MR. W. E. ROBERTS has succeeded to the business carried on by Mr. J. Slater, 17 Castle Street, Beaumaris.

THE IRON AND STEEL PLANT COMPANY (LIMITED) have removed their London offices from 3 Crown Court, Old Broad Street, to 10 and 11 Austin Friars, E.C.

MR. WILLIAM BOLLAND TREACHER, who has been a member of the firm of Hodgkinsons, Treacher & Clarke for thirty years, retired on June 30. The business will be continued by the remaining partners, Mr. Charles Hodgkinson, Mr. Frank Clarke, and Mr. John Slinger Ward, under the new style of "Hodgkinsons, Clarke & Ward," at the old address, 101 Whitecross Street, E.C.

## Marriages.

FLOOD—KERRIGAN.—On June 16, at St. Kevin's Church, Harrington Street, Dublin, by the Rev. E. J. Burke, Philip Flood, F.R.C.S.I. and pharmaceutical chemist, to Genevieve, youngest daughter of the late Michael Kerrigan, 10 Upper Camden Street, Dublin.

HANSON—SMITH.—On June 2, at St. John's Church, Birkby, Huddersfield, by the Rev. Mark Richardson, vicar, Mr. Joseph Hanson, chemist and druggist, to Evelyn, younger daughter of Robert Smith, Thorn Bank, Birkby.

KNAGGS—STOW.—On June 24, at St. Paul's, Camden Square, N.W., by the Rev. A. E. Whish, B.A., Rector of St. Barnabas's, Kentish Town, H. Valentine Knaggs, M.R.C.S., L.R.C.P.E., only son of Henry Guard Knaggs, M.D., of 189 Camden Road, N.W., to Mabel Emily, youngest daughter of James Stow, of 9 Hilldrop Road, N.

PENNINGTON—NEFF.—At the residence of the bride's parents, Moosomin, N.W.T., Canada, on June 2, by Rev. T. Argue, Walter Pennington, druggist, son of Mr. T. Pennington, chemist and druggist, Bury, Lancs., to Estella May, only daughter of Hon. J. R. Neff, M.L.A., both of Moosomin.

SHAKESPEAR—FITZHERBERT.—On June 14, at St. John's Church, Weymouth, by the Rev. F. H. Sangster, William Shakespear, pharmaceutical chemist, to Agnes Jessie Fitz-Herbert.

WATSON—SPURR.—On May 19, at Skelbrooke Church, Sassafras, Tasmania, Robert Watson, chemist, Mathinna, youngest son of the late Robert Watson, Annan, N.B., to Elizabeth Kate, youngest daughter of James Spurr, of Forrabury, Sassafras.

## Deaths.

KING.—An old friend of the Sheffield Pharmaceutical Society has passed away in the person of the Rev. T. S. King, who died a week ago, aged 62. He was for many years minister of a local Congregational church, and devoted much time to scientific studies and the collection of geological and microscopical objects. He was a regular guest at the dinners of the Society, and was familiarly known as "The Chaplain." He was a Fellow of several learned societies.

ROYSTON.—On June 20, at Paddington Grange, Padgate, near Warrington, Mr. Wm. Royston, chemical manufacturer. Aged 56.

SCANLAN.—On June 19, Mr. Charles Scanlan, chemist and druggist, Birkenhead. Aged 58.

SMITH.—On June 25, in the Infirmary, Chelmsford, Robert Smith, assistant to Mr. Wilson Metcalfe, chemist, through having broken a blood-vessel while coughing. Aged 20.

WESTRUP.—On June 14, Mr. Joseph Boak Westrup, chemist and druggist, Kennington. Aged 69.

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BEST CLEANED LINSEED	15/- cwt.	No. 2 Pure PRECIPITATED CHALK	21/- cwt.
No. 1 Finest Pure FULLER'S EARTH (Light Colour)	15/- cwt.	"WHITE EARTH" Specially prepared for Toilet purposes.	18/- cwt.
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Pure LIQUORICE	10/- lb.	Best Pure ARROWROOT	9 lb. in tins.

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## PEPSALIA.

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### THE PHARMACIST'S ART.

DISPENSING is the consummation of the pharmacist's art. Upon it all his studies are centred, for botany is useless to him unless it teaches how one drug may differ from another in appearance and sometimes in properties, thus facilitating the study of pharmacognosy. Chemistry has a similar

influence in teaching the properties of medicines, and how they may be affected when brought together by the physician; even physics plays a part in dispensing, and the whole examination syllabus, so far as its science is concerned, has a general bearing upon the art of compounding. Strange to say, these things are not generally appreciated in pharmacy. Young men would never dream of "scraping through" their examinations if they truly felt that what they were learning would in the future solve most of their dispensing difficulties. Even old practitioners in the craft who regard an unusual prescription as a scientific exercise are somewhat rare. Perhaps this may be accounted for by the fact that some of the smartest dispensers known are men who make no pretensions to scientific training, while many who have that training are miserable dispensers. Neither circumstance, however, vitiates our contention that the aim of the book-learning and laboratory-practice of the young pharmacist is to make him a good dispensing chemist. One of the objects of our February postcard competition was to discover how far this obtains in practice. The dispensing notes which we publish in our correspondence columns scarcely touch the inquiry, because they are generally difficulties which our correspondents have failed to solve. We wanted to get solved problems, and sufficient were sent in to enable us to pick out a score or more of really useful dispensing-exercises. A few have been printed as warnings rather than pieces of information. For example, the man who made 3 minims of creosote into a pill by capsuling a piece of breadcrumb with gelatine, picking out the bread and introducing the creosote, must not be taken as an exemplary dispenser. We now select from the difficulties a few which exhibit the pharmacist's art most notably. The first one was sent by "J. G. C." and is as follows:—

Calcii phosph. ... ... ... 3ij.  
Acid. citric. q.s. ad solutionem  
Syrup. aurant. ... ... ... 3j.  
Aq. dest. ad ... ... ... 3vj.

M.

Take one tablespoonful three times daily.

This is apparently an exceedingly simple prescription, but when it came to be dispensed "J. G. C." found that a large part of the calcium phosphate remained undissolved. At this point science came in—perhaps more science than the dispenser imagined. It is a well-known fact that freshly precipitated substances are more soluble in their solvents than the same substances when dried, although no difference in chemical composition is apparent. This fact suggested that the calcium phosphate in the above should be dissolved in hydrochloric acid, reprecipitated with ammonia, and well washed, then treated with the citric acid [3iv.]. A perfect solution resulted, and the loss of calcium phosphate by the treatment was inappreciable. The difficulty is an excellent example of applied science. The molecular condition of a moist precipitate differs greatly from that of a dried one. Not only is the degree of hydration higher, so that the substance can go easier into solution, but the compound is more likely to be in simple molecules than its dried representative, in which we have aggregations of molecules which are difficult to break down. This we take to be the reason why the dried phosphate failed and the moist succeeded in this case. The next prescription which we quote also shows the application of chemical knowledge in a simple way:—

Ferri sulph. exsic. ... ... ... gr. j.  
Caffein. citr. ... ... ... gr. j.  
Zinci valerian. ... ... ... gr. ij.

Ft. pil. Mitte tales xxiv. (varnish).

As it stands, this mixture is very difficult to make into a pill.

"Caffein," who contributes it, was aware that caffeine citrate is not a true salt, but a crystallised mixture of caffeine and citric acid, and the free acid decomposed the zinc valerian, liberating valeric acid—which in the free state is an undesirable medicine. Using the pure alkaloid this is avoided, and the prescriber's purpose is better effected. We also printed several prescriptions illustrative of how the order of mixing brings about a desired result. One of the happiest was the following:—

Liq. carbonis detergent. (Wright's) 3j.  
Spt. tenuior. ... ... ... 3ij.  
Glycerini ... ... ... 3iss.  
M.

Mixed in the above order, this forms a milky emulsion. Mr. T. P. Owen mixed the liquor with the S.V.R. of the proof spirit, then added the glycerine, mixed, and adding the water quickly obtained a perfectly clear mixture. Why? Because the solvent power of the alcohol has free play by keeping the water out to the last. By using proof spirit *per se* we bring two opposing forces to bear upon the tar compound. In the struggle some of the latter takes the opportunity to step aside and allow the forces to fight their battle out, and when they are done they are too weak to attack the tar. The same thing happens in many cases, as a stronger solution of some substances, which are soluble in strong alcohol and insoluble in water, is obtained by dissolving them in the manner adopted by Mr. Owen, than when they are treated with the mixture of alcohol and water. Another good example of an allied principle is the following:—

Tr. ferri mur.... ... ... ... 3j.  
Tr. digital. ... ... ... 3j.  
Acid. phosph. dil. ... ... ... 3ij.  
Syr. flor. aurant. ... ... ... 3iv.  
Aq. ad ... ... ... ... 3vj.

M.

This had been dispensed almost black. Mr. W. Vincent Johnston, who sent the prescription, added the phosphoric acid to convert the iron into phosphate, and to obtain a freely acid solution, so that when the tincture of digitalis was added the formation of ferric tannate was impossible, and the mixture had the natural brown colour of a digitalis-mixture. The wrinkle is an old one, but exemplifies the fact that it is sometimes easier to prevent the formation of a stubborn molecule than to break it up once it is formed. Other difficulties were contributed which are well worth study upon the lines suggested in these notes, but sufficient has been said to sustain our contention that success in the pharmacist's art greatly depends upon his scientific education, and it is from that standpoint that we judge these contributions. We propose to divide two guineas equally between the contributors of these difficulties, which they will please claim; and we trust that the example set by all who have taken part in the competition will, as occasion arises, be followed by others, so that our dispensing column may become a means for the publication of practical solutions of dispensing difficulties.

#### THE POSITION OF IPECACUANHA.

THE two diagrams on page 19 illustrate the commercial position of ipecacuanha for the past twenty years. In the first diagram, the plain black line indicates the number of packages of all varieties of the root received each year at the London public warehouses, and the crossed line the annual deliveries of the drug. Below these a double line shows the number of bales in stock at the warehouses on December 31 of each year. For the present year the stock on May 31 has been given, and the receipts and deliveries have been calcu-

iated on the assumption that the rate of importation and delivery for the first five months of the year will be maintained. The lines in this diagram refer to ipecacuanha-root of all varieties—Brazilian, Colombian, and the odds-and-ends of genuine root occasionally received from Johore and other parts of the East Indies. It has been necessary to lump the supplies together in this way, because it is only during the last three or four years that separate statistics of the two principal varieties of the drug have been kept.

The second diagram illustrates the highest and the lowest price of "fair Brazilian (Rio) root" paid at the London public sales year by year. Here, again, it has been impossible to include the Colombian, or Cartagena, variety, because that kind has become an article of regular commercial supply only since the beginning of the present decade. It must also be borne in mind that in 1895 certain allowances in weight on ipecacuanha were abolished, and that in consequence the buyers of the root have since that time occupied a somewhat less advantageous position than formerly.

A careful scrutiny of the diagrams is not calculated to convert one to the view of those sanguine operators who have lately been hinting, more or less openly, that a return to the high prices of 1891 and 1892 is almost a "dead certainty" this autumn. We should be sorry if anyone were to base his operations in ipecacuanha exclusively upon the statistics summarised in our diagrams. As a general rule, it may be said that the merchant who goes by statistics only is lost. But, as the professor in the Grand Academy of Lagado extracted sun-rays from cucumbers, one may draw morals from diagrams even to adorn a tale of ipecacuanha. For instance, there is this to be said:—In 1839 the epidemic since called "influenza" first began to make its way towards Europe. Preparations of ipecacuanha were among the earliest remedies used to combat the disease, and this fact, no doubt, accounts for the sudden and remarkable increase in the consumption of the drug which commenced about that time, and reached its highest level in 1892 and 1893, when the influenza raged with the greatest violence. Since the last-named year the epidemic has declined, and with it the deliveries of ipecacuanha fell almost as rapidly as they had risen. It was in these years of increased consumption that the price rose to the highest figure it has attained this generation, for on September 27, 1892, 9s. per lb. was paid in public sale for fair Rio root. This is not the highest price recorded in that year, but the few packages that changed hands above that figure represented root of better quality than our "average" standard. Our present quotation is still 2s. 6d. per lb. below that record-figure, and hints have been thrown out that the difference will be made up within the course of the summer. If the imports continue to be so scanty as they have been lately, it is quite possible that the predictions may be verified, but that expectation is not a safe one.

It is generally said that the bulk of the Brazilian ipecacuanha-crop comes to our market in the early summer. But experience shows that quite large parcels have a habit of arriving in an altogether erratic way at all times of the year, and of temporarily disorganising the market. In October, 1891, for instance, a lot of 300 bales was thrown upon our market in this way. In August, 1893, a consignment of about 500 bales arrived suddenly. In March, 1889, the largest single import on record, 511 bales, caused a drop of about 1s. a pound. To go further back, in January, 1834, a man came over from Brazil with about 250 serons of ipecacuanha, which he had slowly collected, and dumped the whole lot down on the London market, 177 packages being offered in a single auction. To that gentleman, who has considerably refrained from visiting us since, belongs the

proud distinction of having brought down the price of the drug to the lowest point it has touched—viz., 2s. 8d. per lb. for fair quality.

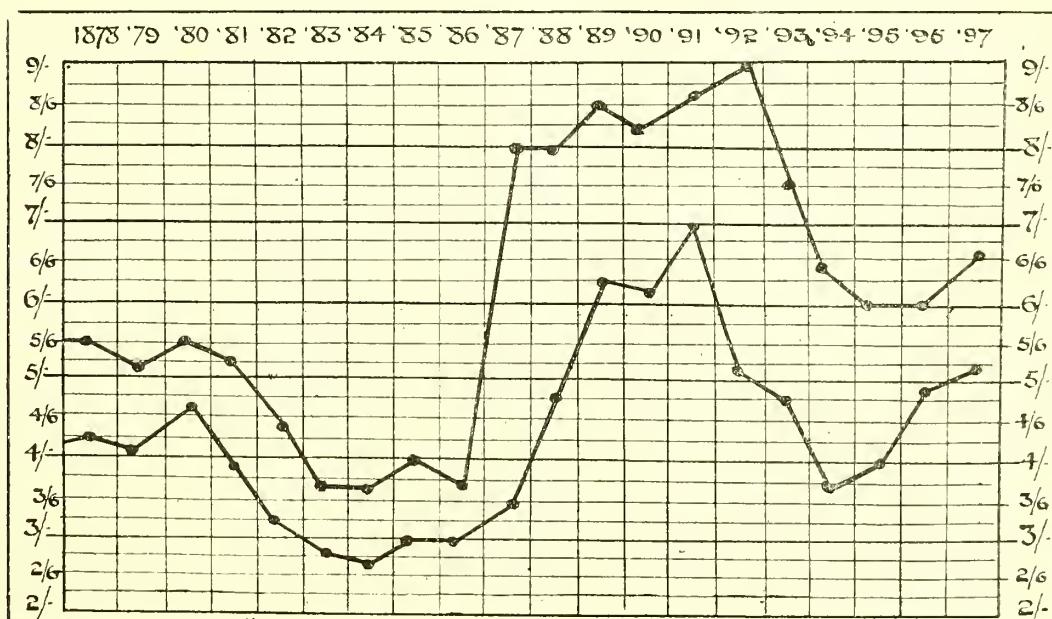
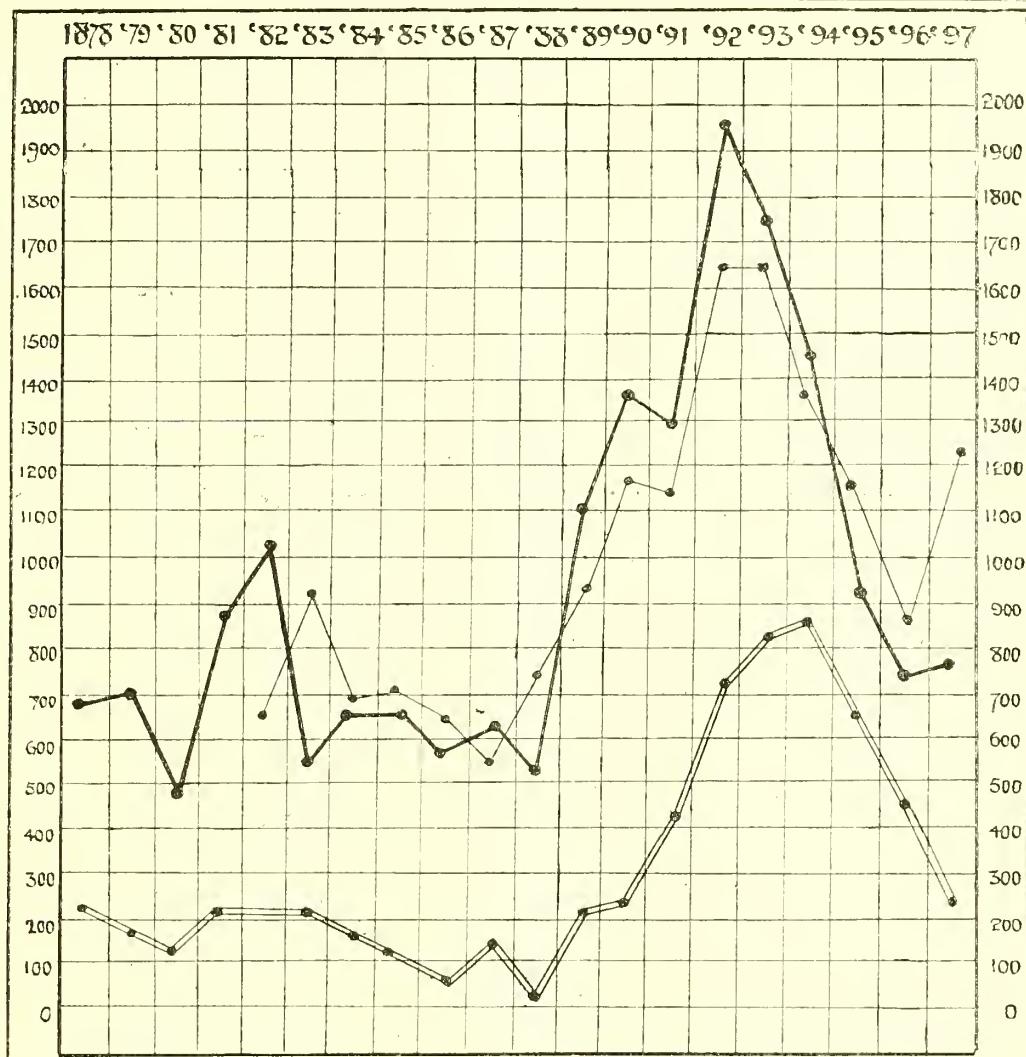
It must be admitted, however, that apart from a few erratic movements such as this, the supply of ipecacuanha is remarkably well regulated by the two or three wealthy firms who control the bulk of the imports. Our first diagram shows how closely the receipts in the London warehouses have kept pace with the deliveries. This is all the more remarkable when it is borne in mind that for a few years we have received very large quantities of ipecacuanha of the so-called Cartagena variety, which comes from the Pacific coast of the Republic of Colombia, is brought in trade by way of Panama, and is not under the control of the Brazilian importers. When the demand for ipecacuanha was at its height, between 1889 and 1893, the collectors seemed to rise to the occasion at once, and shipped to England quantities of root just sufficient to supply the increased requirements. After 1892 the consumption decreased, prices fell, and the supply diminished accordingly. Since last year we have again entered upon an upward move, but, unfortunately, there is no serious influenza-epidemic now to support that movement. If there were the prospect of any such visitation it is quite possible that we might see an advance of 1s. a pound at next week's drug-auctions, for our stock has diminished rapidly of late.

It seems a pity that ipecacuanha-growing in India and Johore has hitherto been attended with so little success. The few bales of ipecacuanha grown in the British dominions that have from time to time reached Mincing Lane have always realised good prices, and one cannot help thinking that it would be worth the while of East Indian planters to pay more attention to this drug. Apart from the unstable influenza requirements, there is a steadily-increasing therapeutic demand for the root, and it seems quite unlikely that the price will again fall to an unremunerative figure within the next two or three years.

Our diagrams, it should be added, only relate to the London markets. Within the past fifteen years the Brazilian exporters have repeatedly sent consignments of the drug to Hâvre, New York, and Hamburg direct, often to their own serious injury; for, having "filled up" foreign buyers in this way, the exporters have been compelled to accept much reduced prices in London, where the demand depends to a large extent upon continental and American orders. London, however, still remains by far the principal ipecacuanha-market, and is not likely to lose that position. Unfortunately, there are no trustworthy official returns obtainable of the production and exportation of ipecacuanha in South America.

#### UNIVERSITY DEGREES FOR EVERYONE

ON several days this month an advertisement has appeared in the *Daily Graphic* offering to confer "degrees (*in absentia*) on gentlemen of undoubted character and abilities." A correspondent sends us the particulars, which were obtained by three anxious inquirers, who wrote letters which were monuments of absurdity, having mis-spelled words in them and otherwise exhibiting lack of education, whatever the characters and abilities might be. One asked for the degree of Doctor of Science or Philosophy, in order to more successfully practise as an assayer on the South African goldfields. Another purported to be from an analyst, who wished to take a Ph.D. or D.Sc. for use on his doorplate; his qualifications were, he stated, Fellowship of the German Chemical Society, the Society of Chemical Industry, and the



British Pharmaceutical Conference. A third appeared to be from a schoolmaster wanting a degree. Each of these three correspondents received an answer enclosed in an envelope upon which was printed, "Prof. Dr. Mendel, Lee, London, S.E.," whose fee, "if successful," was ten guineas. The second letter from "Professor Dr. Mendel" enclosed instructions. The first thing to be done was to fill up the subjoined application-form, and send it with 1*l.* to a Dr. Haskins, the Chancellor, the National University, Chicago, Ill.

*Application for Graduation.*

The National University.

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Chicago, Ill.

I hereby make application for the degree of . . . . .

I desire to know authoritatively the further amount of work required of me to graduate, and hereby apply for this information (enclosing the Council fee of five dollars).

I expect to complete the course and graduate as soon as possible.

This application is authorised by your Chancellor.

Full name (no initials) . . . . . titles (if any) . . . . .  
P.O. Address . . . . .

The words "your Chancellor" are in writing. A circular of the Institute of Technology, 151 Throop Street, Chicago, was enclosed with the application-form, but it does not impress us at all, and we feel sorry that the three degree-seekers did not carry their quest a bit further. The diploma would be a decidedly interesting thing to look at.

**FRENCH SOAP OR ENGLISH?**

THERE was something about the windowful of toilet-soap displayed in a West-end drug-store that compelled us to stop when we passed there the other day. It was not the price (1*s.* 11*½ d.* for a box of a dozen tablets), nor the nice pink-and-yellow appearance of the cakes, but the legend on the box, which ran:—

Royal Household Soap.

Ce Savon est remarquable par la douceur de la pâte, composée des matières les plus pures, et se recommande au client appréciateur qui reconnaît la bonne qualité lors qu'il la trouve. Nous ne faisons pas de publicité pour la vente de nos articles.

PIÉROT FRÈRES,

Rue de la Paix, Paris.

It had never struck us before how wonderfully like English is French. Two Public School boys were looking at the window, and they translated the wording with fluency and ease, thus:—

This Soap is remarkable for the sweetness of its paste composed of the purest materials, and recommends itself to the appreciative customer who recognises good quality when he finds it. We do not advertise in order to sell our goods.

Now, if you were to set the average British schoolboy to translate that into French the result would be very like the version first quoted. But it is equally certain that if you were to ask a Frenchman to translate it, it would turn quite differently. But there was the name stamped plainly enough 'on every cake—"Royal Household Soap: Piérot Frères, Paris." Yet neither the box nor the cakes bore the mark, "Made abroad" or "Made in France," required under the Merchandise Marks Act. And, stranger still, no such firm as Piérot Frères, Rue de la Paix, Paris, is recorded in the current Paris business Directory. Therefore, of two things, one, either Piérot Frères shun advertising themselves to such an extent as to labour away in an unknown number of the Rue de la Paix, and the Customs authorities are remiss in permitting soap liable to be marked under the Merchandise Marks Act to be imported without such a mark; or the soap is made in this country, and pretends to be French. If the latter, why? Surely English

soap is good enough to sell on its own merits? Moreover, the "Made in Germany" man might pass that way, and write an eloquent article on the decay of another great national industry.

**GROCERS AND THE P.A.T.A.**

The *Grocer* thinks it hardly necessary to say that any other arrangement between grocers and chemists than that stated by Mr. Glyn-Jones in his interview with us would be unthinkable. "The grocers could not possibly allow their prices to be fixed by the chemists, although a common understanding as to a minimum to be universally observed may be of great advantage. It is this common understanding that, as we assume, the P.A.T.A. is designed to secure." A fine show of independence, truly! But if minimum prices are fixed the grocers can be fairly trusted to live down to them, and that comes to something very like fixing the prices.

**"RECENT MATERIA MEDICA."**

Mr. F. Harwood Lescher, F.C.S., although now a busy commercial man, succeeds in maintaining the interest in *materia medica* which secured him a School of Pharmacy medal and a Pereira medal in the sixties. This is evidenced by the publication, this week, of the fifth edition of his "Recent *Materia Medica*," by Messrs. J. & A. Churchill, of 7 Great Marlborough Street, W. Thirteen years ago the first edition of the book was published, and since then a very large number of natural, as well as synthetic, remedies have been introduced. The book contains about two hundred pages of notes, and as there is, on an average, about five notes to the page, it follows that one thousand different substances are described in the volume. The notes are pithy, yet they include all that is necessary for the man of business and the dispenser—viz., the origin of the substances, their characteristics, therapeutic uses, how administered, and doses. The chemical notes, where given, are instructive and explicit. Preceding the notes are seven pages of therapeutic references under specific disorders which are alphabetically arranged, and this is a valuable feature for prescribers. The book is up to date.

**EXOTICS AT KEW.**

In continuation of our notes on medicinal plants in blossom in the Royal Gardens at Kew, reference to the following species, which are growing in the open, may prove of interest to pharmacists. *Elaeagnus umbellata*, a deciduous-leaved shrub of the temperate Himalayas, China and Japan. The seeds and flowers together are used as a stimulant in coughs and the expressed oil in pulmonary affections. The flowers are also employed as a cardiac and astringent and the seeds as an adulterant of black pepper. The fruit is eaten in curries and pickled like olives. *Buddleia globosa*, a shrub 15 to 20 feet high, bearing orange-coloured globose flowers and having the branches and under surface of the leaves covered with a hoary tomentum. This plant is described as the *Salvia* real of Mexico, where it is employed as a general stimulant; it also occurs in Chili, where it is known as *Panil*, and used as a medicine for sores either in the form of a decoction or powder. *Aristotelia Maqui* is a small evergreen tree or shrub of Chili, chiefly interesting on account of its fruit, which is used for colouring wines, and was first imported into Europe for that purpose under the name of "Maqui berries" about ten years ago. The fruits are acid but edible, and a wine made from them is given in malignant fever. *Myrica cerifera* is the wax myrtle of the United States, where it forms an aromatic shrub from a few inches to 12 feet high and bears axillary catkins. The small globular fruit grows in clusters, and is covered with a whitish coat of wax, which is separated by boiling in water. The powdered wax mixed

with mucilage or syrup has been popularly employed in the U.S.A. as a remedy for dysentery and also as a substitute for beeswax in the formation of plasters, &c. The root-bark is acrid and astringent and is used against jaundice.

#### UNIFORMITY IN PHARMACY.

We are glad to note that the *Canadian P. J.*'s belief that the dependency's attachment to the mother country and its Pharmacopoeia is sentimental does not prevent it taking a keen interest in what is going on at home. Mr. C. F. Henry's paper on the above topic brings forth some notes on Canadian practice which show that pharmacy out there is quite kin to ours. These are examples of lack of uniformity mentioned by the *C.P.J.*:

The alcoholic extract is sometimes dispensed where extract of belladonna is prescribed; this is wrong, as the B.P. contains both articles, and the dose of the former is less than that of the latter. In the preparations of B.P. ointments containing soft paraffin, white vaseline is used by some, and the yellow by others, thus causing confusion in the minds of purchasers. In this case we think that the yellow is the only kind authorised and should be used; in some ointments the difference in colour may not be noticeable, but in ointment of boric acid, for instance, the difference is at once perceptible. Another cause of lack of uniformity is careless nomenclature; tincture of rhubarb and senna being frequently prescribed with the affix "eo." A strict adherence to the Pharmacopoeia would obviate many of these troubles.

If this had been written in regard to Lancashire, Dublin, or Lanarkshire pharmacy it could not have been nearer the truth, but it is Canadian.

#### PHOTOGRAPHIC PECULIARITIES.

All who are interested in photographic chemistry should read the account of experiments by Dr. W. J. Russell, F.R.S., in last week's *Chemical News* on the action of various substances upon sensitised plates. He used half-a-dozen of the best brands of plates, and placed on the surface of them, with or without paper between, pieces of recently polished zinc, and after the metal had remained in contact with the plate for some hours (in the dark, of course) the plate was developed, and in all cases it was found that an image of the zinc had been printed upon the plate. It naturally suggests itself to one that the oxidation of the surface of the metal caused this, but the experiments exclude that idea. It was found that a coating of copal varnish on the zinc did not prevent the formation of the image—indeed, copal varnish itself produced an image, so did wood, and the cardboard on the boxes in which the plates are sent out by the makers. We cannot go further into details now, but promise those who refer to the original a most suggestive train of thought from Dr. Russell's experiments.

### Trade Notes.

BLEASDALE'S Tickheal, Lorimer's "x" crystals, and Munyon's remedies are the latest additions to the P.A.T.A. list.

In the advertisement of Daisy (Limited), in last week's CHEMIST AND DRUGGIST, on page 23, by a curious error it states: "There is not the slightest fear of the Daisy rapidly selling." It should have been: "Of the Daisy not rapidly selling."

MESSRS. SPURWAY & CO., essential-oil distillers, of Cannes and Grasse, announce that they have found it necessary, on account of the increase in their business, to remove their London dépôt to 184 Shaftesbury Avenue, W.C., where they will keep a stock of their goods and where one of the partners will be in charge.

TASTELESS BIRD-PEPPER is often inquired for of us by subscribers who have failed to get it through their own

wholesale houses. We, therefore, mention with pleasure that Messrs. Brook, Parker & Co., 360 Leeds Road, Bradford, supply it, and a sample which they send us exhibits a high degree of colour and fatty content, both elements which are requisite for carrying the colour to the feathers of canaries.

"WE wonder," says *Wheeling*, "that before now some enterprising chemist has not flooded the market with a small portable assortment of necessaries which would be available in case of accident. A small tin box, similar to those containing tyre-repair outfits, filled with diachylon plaster, lint bandages, vaseline, &c., would sell well, we feel sure. We give the idea for what it is worth." It is not novel at all. Messrs. S. Maw, Son & Thompson have supplied a box of the kind for years, and we believe other houses also do. Surely wheeling chemists, at least, stock them.

THREE HUNDRED AND TWENTY-FIVE POUNDS IN PRIZES.—It will be observed that Messrs. Stephen Smith & Co., of Bow, E., inaugurate their career as a limited company by offering 325*l.* in prizes for Hall's coca-wine windows. This is the second competition of the kind which they have had: the last one was a great success, and several chemists participated in the spoil. Messrs. Stephen Smith & Co. will supply the dummies, showcards, &c., for making the display, the quantity being limited by the experience of last time, when Mr. Robert Leithhead, chemist and druggist, West Hartlepool, took second prize, using only three dozen dummies. The conditions of the competition are fully given in the firm's advertisement, but we may say that 328 prizes will be awarded—the highest 30*l.* So it is worth trying for.

AMONG the London wholesale firms now in business that existed at the time of the Queen's accession that of Alfred White & Sons, Castle Street, Saffron Hill, E.C., must be mentioned. Although Messrs. White & Sons can hardly be classed among the wholesale druggists (they are manufacturing chemists, and make a speciality of ethers), yet they have always been in close relationship with the wholesale drug-trade. The firm was already an old one when the Queen came to the throne (it was established in 1775), and it possesses the probably unique distinction among old firms of never having changed its address or passed out of the family who founded it. In 1852, when Farringdon Road was built, a portion of the firm's premises was pulled down and the manufacturing branch transferred to West Drayton, but the offices and warehouses remained. The late senior partner, Mr. Alfred White, F.C.S., who died two years ago, joined the firm in 1828. He was not only a business man, but an enthusiastic antiquary.

### Westminster Wisdom.

#### PAST HOPE.

Mr. Kearley's Food and Drugs Bill and the various Bills relating to the early closing of shops were among the orders on Monday, when after three defeats, due to the Jubilee festivities, Mr. Balfour at last succeeded in getting the House adjourned. Of course these were not touched. They have now little prospect of further mention, except in the impending "slaughter of the innocents."

#### THE METRIC SYSTEM.

On Tuesday Mr. Daly asked the President of the Board of Trade whether the Weights and Measures (Metric System) Bill applied to Ireland, and received an answer in the affirmative, with the addition of an intimation that the Bill, if passed, will be voluntary.

#### PARLIAMENT RECOGNISES PHARMACY AS A PROFESSION.

In the discussion on the Plumbers' Registration Bill in the House of Commons on Wednesday, Mr. Hobhouse, member for East Somerset, said "this was the first proposal that had ever been seriously made to register the members of a trade as distinguished from the members of a profession"; and Mr. Whittaker, the member for the Spenn Valley division of the West Riding, also asserted that "this was the first occasion on which the House was asked to provide registration for an ordinary trade." Nobody challenged these statements.

## How I Passed the Minor.

TWO years last October, after some considerable steady home-work and attending evening chemistry lectures in connection with the Science and Art examinations, I went to a well-known school of pharmacy in London for a three months' final "grind" previous to presenting myself for the following January examination. I worked hard—very hard—and failed, but, for personal reasons, including a breakdown in health, I was unable to have another shot until last January, at which I was fortunate enough to pass. I made notes of my experiments at the time, and my record of them may not even now be out of date. Before going up, I spent two months at the college I had been at before, paying frequent visits to the museum of the Pharmaceutical Society for recognition of *materia medica* specimens, and to the Library to look through the large collection of prescriptions which are there for the use of those subscribers who care to avail themselves of them. Twice I went to the Botanical Gardens, journeys for which I was well repaid by obtaining valuable information with regard to shapes of leaves and peculiarities of certain plants.

I was put down for examination on December 31, at 9.40. With others, I went to practical chemistry, and found the following paper, together with a full stock of reagents and the apparatus, volumetric solution, and shots which were necessary in the qualitative and quantitative work mentioned in the following:—

- 1.—(a) Determine the specific gravity of the lead shot by means of the specific-gravity bottle.
- (b) Make 100 c.c. of a standard solution of iodine, and with it determine the quantity of sodium thiosulphate in 551 c.c. of the solution (No. 18).
2. Examine the substance in the pill-box according to the directions on the label.

N.B.—Quantitative work must be done first.

The specific gravity was not difficult, but as several weighings were required it took me some considerable time. The volumetric I made approximately decimolar and calculated accordingly, whilst the directions on the box containing my salt stated that the substance consisted of manganese chloride and an impurity which I was told to discover, and which turned out to be potash alum, though I, at first, missed the aluminium, and only gave my result in as potassium sulphate.

After a little refreshment I went back for dispensing, a subject in which I usually feel the most at home, but the one in which I made the worst show, largely through nervousness. Mr. Bascombe was the examiner, and handed me the following to do:—

Inj. morphi hypodm.	..	..	..	..	..	3ij.
(B.P. process.)	xxij.	=	1	gr.		
Ext. belladon.	..	..	..	..	..	gr. j.
Fiat suppos. Mitte vj.						
One to be used when required.						
Acid. boric.	..	..	..	..	..	2 per cent.
Zinci oxid.	..	..	..	..	..	ss.
Pulv. tragacanth.	..	..	..	..	..	x.
Glycerin.	..	..	..	..	..	3ij.
Aq. ad.	..	..	..	..	..	3ij.
Fiat pigment.						
To be used with a camel's-hair brush.						
Feeri sulph. oxalic.	..	..	..	..	..	gr. iii.
Flat pil. Mitte xij. Silver.						
One night and morning.						
Mist. ol. ricini (B.P.)	..	..	..	..	..	3iv.

On my asking Mr. Bascombe if I might make  $\frac{1}{2}$  oz. of the injection, he simply said he only wanted 3 dr., but from his manner I understood he did not object to my doing it in the way I suggested. Accordingly I made a calculation for  $\frac{1}{2}$  oz., 12 minims being equal to 1 gr. Mr. Bascombe carefully examined the resulting solution with litmus, and was soon on my track when he discovered I had left about  $\frac{1}{2}$  gr. of morphia on the filter-paper. For each suppository I weighed 1 gr. of belladonna and 16 gr. of cocoa-butter, making for six only. These turned out a complete success. For the pigment I weighed out  $17\frac{1}{2}$  gr. of boric acid, which

I found to be in crystals, and which, owing to the other ingredients and the small amount of water, I dissolved in  $\frac{1}{2}$  oz. of hot water, mixing with the glycerine and adding to the other ingredients previously well rubbed down in the mortar, the whole resulting in a respectable semi-liquid cream. The pills worked up well with a little glycerine of tragacanth, but I was not able to touch the castor-oil mixture as I had spent so much time on the injection.

After a day's anxious waiting, I received a notice informing me that I was required for the oral the following Tuesday. Then my first subject was pharmacy, and to my surprise Mr. Bascombe was my interrogator. He first gave me a bottle containing a liquid which I could not discover further than that it was a liquid extract. A poor start, I thought. Next he asked me how to make ext. cocæ liq., dec. sarsaparilla, ext. aconiti, tr. bellad. What was Donovan's solution, how made—strength? How make decoctions of cinchona and Iceland moss; which was strained hot and which cold, and why? What did maceration, lixiviation, elutriation, and comminution mean? How make tincture of opium? and the strength of almost every preparation in the B.P. containing opium. A few questions on the pharmacy laws, and I was told to resume my previous seat.

The clerk next sent me to Professor Reynolds Green for botany, and while he finished examining another candidate attracted my attention to a large heap of botanical specimens, and told me to look them through, and be prepared to answer *any* questions he might ask me on them, particular emphasis being placed on the "any"—a large order, I thought. However, I did as I was told, taking care the ones I was most familiar with were at the top, and that a phylloclade, over which I had spent much time previously, remained in my hand. Starting off with what I had in my hand, Dr. Green questioned me closely, passing on to asking about "withering," and requesting me to describe a simple experiment proving my answer. Then he gave me a flower, and asked me to refer it to its sub-class; and to my surprise, after only five minutes' examination, informed me I could go. I thought he meant to throw me, and I told him I was sorry I had not satisfied him, at which he seemed highly amused, and immediately set me at ease by telling me he would have kept me much longer had I done badly.

To *materia medica* I was next despatched, and found a genial, smiling gentleman, whose name I forgot, but who hails from Buxton, and with whom I soon made friends. He first showed me two pieces of root which I could not make much of, then broom tops, horehound, chiretta, Calabar beans (were they poisonous?), nux vomica, Ignatia beans (what was obtained from them?—where did they come from?—preparations into which they enter); where was Calabar? Then some tars over which I had considerable difficulty, cajuput oil, castor oil, gentian-root, taraxacum, pellitory, conium-leaves, aconite-root, and belladonna-leaves, over the latter of which I took much time and pains, to the examiner's approval. I was seldom asked the botanical names, never the natural orders, and generally the habitats. Unfortunately the latter was my weak point, and, as I told him to his merriment, he never asked me the habitat when I knew it, though he hardly let any slip by I did not know.

My next subject, and the one I feared most of all, was chemistry, and I frequently had to confess my ignorance to Mr. Lucas, who examined me. First he wanted to know all about the manufacture of nitric acid, then about the oxides of nitrogen, with which I got on pretty well until he mixed several together and asked for the result, when I stuck. He gave me a calculation introducing percentage, which I got right. Asked me about the manufacture of alum from alum-shale. Said I didn't know, and probed still further. Then rather disconcerted me by asking me if I thought I knew much chemistry, for he didn't. I told him I did, but that he didn't ask me the things I knew well. "What did I know?" was the reply—at which I said I could tell him about phosphorus and the manufacture of sulphuric acid. To my surprise and delight, he told me to tell him all about sulphuric acid. What was iron pyrites like? Had I ever seen it? What was the bright gold colour sometimes seen in coal due to? How get iron from its ore? Was pig iron brittle? I began to breathe more freely when he told me I could go.

Last of all I made the acquaintance of Mr. Taylor in

prescription Latin and doses, and in this I never missed a termination, a question, or a dose. One or two tricky questions were asked me, and my last piece of work as far as the Minor examination was concerned was to write a prescription in full Latin. This done I again retired to my seat, previously helping myself to the exceedingly liberal refreshments provided, consisting of the plainest biscuits made and soda-water.

In a few minutes the Chairman (Mr. Hills) called me up, shook hands and told me he had much pleasure in informing me I had passed, recommended the Major, and I withdrew—a tired though happy chemist and druggist.

Those who are thinking of presenting themselves for the examination I would strongly recommend never to work into the morning, to do nothing the night before the examination, never to argue with an examiner, but rather to throw themselves on his generosity, and not to be frightened if a question is put in a peculiar way. To illustrate this, I might say that I knew of three fellows thrown in this way. The first was asked the life-history of a parsnip which was handed to him, the next a similar question about the turnip, and the last because in the practical papers potassium *di*-chromate was mentioned—this candidate saying he had heard of the *bi*-chromate, but never the *di*-chromate.

## Pharmaceutical Training in Denmark.

By M. J. ARNESEN.

**I**N Denmark pharmacies, or "Apotheks," are either "real" or "personal," the difference being that real pharmacies may be bought or sold in the open market by pharmacists, whereas licences for personal pharmacies are given by the State in turn to the oldest pharmacist on the register, provided he has or can get capital enough to start the business—from which it follows that hard cash very much decides who is to be the happy licensee.

Those who have not the patience to wait until they shall be qualified for a "personal" licence, or the wherewithal to set up a "real" pharmacy, but are yet desirous of being their own masters, very often start "druggists" shops, in which they may sell simples and certain other articles not expressly reserved to pharmacists, and some few obtain positions as chemists in breweries or chemical-manufactories.

The training of all pharmacists is the same, and commences with a Preliminary examination embracing Latin, in lieu of which the university matriculation certificate is accepted. The apprenticeship is fixed by the Pharmacy Act at at least three years, though the majority serve three and a half to four years. As all pharmacies are professional in the full meaning of the word and no doctors are allowed to dispense, it follows that those three years are full of work and experience.

For the first year our intending pharmacist generally works at the counter under supervision of an assistant, and performs the usual work of putting up articles for sale—in most cases crude drugs, because patent medicines or secret remedies are forbidden by law. Some popular compounds of the Pharmacopœia are, however, put up and sold to the public, such as *tr. roborans*, made from *cort. eichon.*, *cort. aurantii*, and *rad. gent.* This is sold all over the country, also the official tooth-powders, *pulv. rhei co.*, &c., all according to the local demand. No counter-prescribing is allowed. But besides this the apprentice is mostly employed to see that the pharmacy is clean and well provided with bottles, boxes, &c., in the retail and dispensing department, and in giving the dispenser a hand in capping, labelling, and packing up prescriptions and medicines. As the time is from 8 A.M. to 9 P.M. in winter and from 7 A.M. to 10 P.M. in summer, he is generally allowed a half-day off in the week and every second Sunday as holiday. This, however, is a personal favour, and cannot be demanded legally. After 7 P.M., with the exception of counter sales, the apprentice's "spare time," and such energy as remains to a youth who has done from twelve to fifteen hours' shop-work, is devoted to study.

The second year our young man is admitted to the laboratory and taught how to prepare all galenicals, as decoctions and infusions, which are always *extempore*, making extracts,

macerating tinctures, making ointments, plasters, &c. He must also fill the tincture-bottles, jars, &c., set aside the night before from the stock. Every pharmacy is obliged to have a fully-equipped laboratory with distillation apparatus, steam-pans, percolators, &c., and in most cases the apprentice has to keep a record of the preparations made, the manner in which they are prepared, and the result obtained.

The remaining time the apprentice spends in the dispensing-department making mixtures, lotions, gargles, pills, lozenges, &c., all, of course, under the eye of a trusted assistant or of the principal himself. The metric system is used, and all ingredients are weighed, whether liquids or solids. Small quantities of ointments are made with mortar and pestle.

After having finished his practical training the apprentice, as a rule, goes through a short course of theoretical study, and then enters for the Minor examination, which only gives him right to act as assistant. This examination is held only at Copenhagen.

Having successfully got through this ordeal, he in most cases takes a position as assistant, partly to become further acquainted with his work through practical experience, and partly perhaps to earn some money wherewith to pay for his teaching for the Major examination. The preparation for this, as a rule, takes three sessions of six months each, though a smart man may get through in two, which is allowed. In most cases botany, the Pharmacopœia, and pharmacognosy are taken after two sessions, and the third is devoted to practical and theoretical chemistry in its various branches.

If the young pharmacist has acquired his Major, and has sufficient cash, he may be able to secure a "real" apothek; but in most cases he serves a further term as assistant, and possibly remains in that position, patiently waiting for his turn to get a "personal" licence until he stands on the brink of the grave.

As far as the social position is concerned, the Danish pharmacist ranks as the equal of medical men, lawyers, and other professional men, and in many cases he takes an active part in public affairs.

## New Remedies.

**Cordol.**—This is the trade-name for tribromsalol, a crystalline powder which is insoluble in water, but readily soluble in alcohol and ether, and melts at 195° C. It is given in doses of 8 to 24 gr., thrice daily, as a sedative, anti-neuralic, and antirheumatic. *Cordyl* is an acetyl derivative, and *cordeine* a methyl derivative of the body, but neither has been tried clinically.

**Kryofin.**—This is a new antipyretic, discovered by Bischler. It is a condensation product of paraphenetidin and methylglycolic acid, and occurs as white, odourless, and tasteless crystals, which are sparingly soluble in cold water—viz., 1 in 600. Dr. Eichhorst has tried kryofin in typhoid fever, pleuro-pneumonia, puerperal sepsis, post-scarlatinal febrile nephritis, and facial erysipelas, and found that it proved a serviceable antipyretic, and also found it to be a good antineuralic. The dose is 8 to 15 gr.

**Malarin** is the copyrighted name given to a new patented compound, acetophenonphenetidin, credited with antipyretic and analgesic properties in doses of 8 gr.

**Quinine Chlorocarbonate** ( $C_{20}H_{21}N_2O_2Cl.CO.$ ) is made under patent by Zimmer & Co., Frankfurt, by allowing phosgene to act on anhydrous quinine. A crystalline mass is formed, washed with benzol, and then digested with water to remove the quinine hydrochlorate which is also formed. Quinine chlorocarbonate crystallises from alcohol in fine colourless needles, m. p. 187° to 188°; it is less basic than quinine, and gives in solutions the thallioquine reaction. It has no bitter taste.

**ALUMINIUM** has recently been tried by Mr. T. H. Norton, an American chemist, for still-condensers and similar apparatus generally made with tin, and he finds that it is just as good as tin, so far as resisting-action is concerned, and about equal to glass.

## Manufacture of Capsicin.

THIS is an apparatus, arranged by Mr. W. C. Alpers and described in *Merck's Report*, for making oleo-resin of capsicum. He packed  $2\frac{1}{2}$  lbs. of capsicum in No. 60 powder in a cylindrical percolator (fig. 1, *a*). The upper end of the percolator was closed with a large cork (*b*), through which passed a bent-glass tube (*c*) and a small glass funnel (*d*). The lower narrow end of the percolator was closed by a cork (*e*), through which a straight connecting glass cock (*f*) passed into another perforated cork (*g*), which closed the receiving-bottle (*h*). This cork contained a second perforation with a small bent-glass tube (*i*). When the apparatus was put together, the ends of the two glass tubes (*c* and *i*) met at *k*, and were joined by a small piece of indiarubber. Ether was poured through the funnel (*d*), which was then removed and the aperture closed with a small cork. When the percolate commenced to drop into the receiving-bottle, the stopcock (*f*) was closed to allow the capsicum to macerate. The apparatus was left in this condition overnight. The following morning the stopcock was opened and percolation proceeded with ether being added in successive portions until the drug was exhausted. When the liquid ceased to drop through the percolator it was found, on comparing the quantity received with the quantity poured in, that there were at least 24 oz. of ether in the marc. The two tubes were now separated at *k*, and the end of this tube was slipped over the nozzle of an air-pump, and the upper part of the percolator filled with water. The pump was then put into operation, and after a few strokes of the piston the ether flowed quickly out of the percolator, being replaced by the water. It was partly for this purpose—viz., for easily attaching the air-pump without taking the apparatus apart—that the rubber joint at *k* was made.

The next step was the evaporation and recovery of the ether. For this purpose another apparatus was improvised (fig. 2). A Florence flask (*a*) containing the percolate was

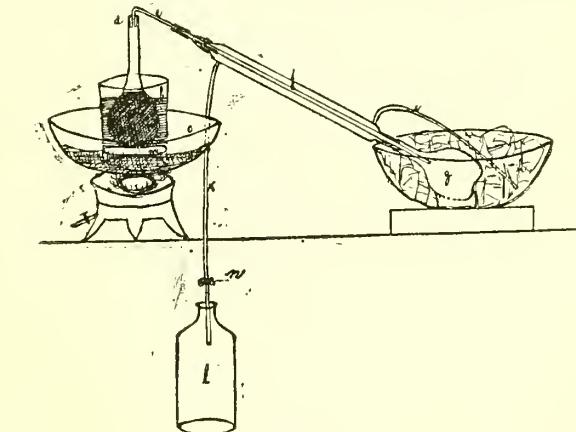


FIG. 2.

inserted into a tin can (*b*), into which a large, flat cork (*m*) and a convenient quantity of water had previously been put. The can was placed in the iron dish (*c*) partly filled with sand, and standing on a gas-stove. The flask was closed with a cork (*d*), through which passed a glass tube (*e*) into a Liebig condenser (*f*). The lower end of the condenser emptied into the receiving-flask (*g*) resting in the dish (*h*) filled with water and ice. The ice-water was drawn through the tube (*i*) into the condenser, and emptied through the tube (*k*) into the bottle (*l*). The flow of water was regulated by a partly-closed pinch-cock (*n*), and whenever the bowl (*h*) was nearly empty, the water from *l* was poured back into it. A small flame was then lighted under the pan (*c*), and

the ether, being heated first through a sand-bath and then by means of a water-bath, slowly distilled over. The absence of all odour of ether in the laboratory showed that there was no leakage in the apparatus.

When the ether ceased to drop from the condenser the apparatus was taken apart, and the oleo-resin remaining in the flask (*a*) poured into a large shallow dish for spontaneous evaporation of whatever ether might have remained in it. The distilled ether was then used for a second lot of capsicum.

## Practical Notes and Formulae.

### FLUID EXTRACTS AND THEIR ADULTERATION.

MANY commercial fluid extracts contain considerable quantities of glucose, due to the use of caramel for colouring-purposes. This adulteration may be readily detected by precipitating the extract with acetate of lead, filtering, removing excess of lead with dilute sulphuric acid, and again filtering. If caramel be present, the filtered liquor will be coloured. This note from *El Memorandum* applies to fluid extracts sold on the Continent.

### RHATANY SUPPOSITORIES.

		Parts
Extract of rhatany	...	10
Glycerine	...	40
Stearine soap	...	10

All by weight. Dissolve the extract in half the glycerine with the aid of a water-bath, and the soap in the remainder. Mix the two solutions, and pour into moulds.

—*El Memorandum.*

### MOUTH-WASH TABLETS.

Heliotropin	...	...	...	gr. $\frac{1}{10}$
Saccharin	...	...	...	gr. $\frac{1}{4}$
Salicylic acid	...	...	...	gr. ij.
Menthol	...	...	...	ij.
Sugar of milk	...	...	...	3 <i>v.</i>
Spirit of rose, a sufficiency to perfume.				

Mix with any colouring desired, and divide into 120 compressed tablets.

### ANGOSTURA BITTERS.

Angostura-bark	...	...	...	4 oz.
Bitter orange-peel	...	...	...	8 oz.
Anise	...	...	...	1 <i>½</i> oz.
Cascarilla	...	...	...	1 oz.
Cinnamon	...	...	...	1 oz.
Cardamom	...	...	...	4 dr.
Cloves	...	...	...	4 dr.
Nutmeg	...	...	...	4 dr.
Coriander	...	...	...	4 dr.
Glycerine (or honey)	...	...	...	4 oz.
Proof spirit enough to make				64 oz.

Make a tincture by percolation.

The above formula, from the *Western Druggist*, differs somewhat from those which we have previously printed.

### CHOCOLATE-COATED PILLS.

SHAKE up the pills in a hollow globular vessel with acacia mucilage and finely-powdered chocolate alternately, until they are covered to the desired thickness. Then shake them again in a tin box, one-half of which has been slightly warmed. By this process, Schlicht claims, pills may be coated with elegance and uniformity.—*Apoth. Zeit.*

### VITELLIN CREME FOR THE TOILET.

BERNEGAU (*Pharm. Centralh.*) recommends the following:—

Preserved egg-yolk	...	...	5 <i>j.</i>
Benzooated olive oil	...	...	5 <i>j.</i>
Purified wool-fat	...	...	5 <i>j.</i>

Mix.

Perfumed with a little otto of rose or other agreeable perfume, the above mixture is highly recommended as a toilet-cream, on account of the softening effect it has upon the skin. It is also a good basis for medicinal ointments.

## Pharmacy at the Royal Agricultural Show.

WHEN we left off last week our representative had still a mile of stands to inspect, and these we take in their numerical order.

The Agricultural Chemical Company, Southampton, exhibited the "Articanus" milk-preserved and the "Articanus" special cream compound in patent airtight tins. The rest of their stall was devoted to their "Primrose" butter-colour. Thos. Pettifer & Co., Banbury, made a good show of stockkeepers' medicine-chests; while their other valuable remedies, such as drenches, embrocation, horseballs, and fly-gall ointment all form part of the *tout ensemble*. A specific for foot-rot in sheep was the leading feature of the stand of J. M. Jones, Gloucester, it being a disinfectant as well as a cure. Their chemical essence and waterproofing, softening, and preserving composition for leather are also worthy of notice. Derbyshire & Co., Stretford, near Manchester, had a collection of veterinary remedies. Those to which special prominence was given were their gripe-mixture, red drinks for cleansing after calving and checking feverish symptoms, cud-balls, and improved Driffield oils.

In connection with the show of Tomlinson & Hayward that was dealt with last week, we have since been informed that the flower-and-plant stall adjoining their exhibit had reference to "Jadoo," a fibrous preparation for growing plants, for which this firm hold an agency, and are prepared to supply the trade.

W. A. Hope & Sons, Leicester, in addition to cattle and poultry spicess and kindred preparations, exhibited disinfecting fluids and blocks, which are known as "Pynerzone" and "Carberzone." The former is a preparation of pine, eucalyptus, and purified thymol. The blocks are very useful for placing in sewers, drains, and urinals, while for flushing-purposes one 3-lb. block will make 5,000 gallons of a milky sanitary fluid that can be delivered or sprinkled from a watering-cart.

F. Hallam & Sons, of Burton-on-Trent, make their first appearance at the show with their liquid and powder sulphine compounds, which are milk and meat preservatives. They expressed themselves as well satisfied with the business results of their *début*.

The Permanent Nitrate Company were there in full force with all their now familiar exhibits, the interest of which does not seem to wane at all. At the next stand were B. C. Tipper & Son, Balsall Heath, Birmingham, who exhibited cattle and horse drinks, spicess, medicated powder, and sheep-dip. The exhibit of this firm was of particular interest, as it appears that they were at the last show at Manchester in 1869. Their legend of the "old original" would, therefore, seem to be a justifiable boast. The Stud Horse-and-Cattle Medicine Company, a local firm at Longsight, had a display of veterinary medicines, condiments, and feeding-stuffs. We might add that their neighbours, Newton, Chambers & Co., of Sheffield, whom we referred to last week, are showing at the firm's other stand Dr. Thresh's new portable steam-current disinfecter. The medicine-balls of Messrs. Cupiss, of Norfolk, need no further introduction. The firm also exhibited specialities for horses, cattle, and sheep, and were showing a neat pistol-like instrument for administering them. The next two stands were devoted to the "Bovine" horse, cattle, calf, and pig foods shown by Bovine (Limited), of the Strand, W.C.; while Acton & Co., of Manchester, also made a display with their horse, cattle, and pig condiments, both of these stands seeming to be well attended by visitors, evidently bent on learning all they could about everything that appealed to the heart of the stock-breeder. Stephen Pettifer & Sons, Wilts, made a good show. The centre of attraction was their "Herbal Tonic," or flockmaster's friend, a standard sheep-medicine for various worm-complaints, including husk or hoose, dysentery, and debility. It is used on the Royal farms, and also by the colonists and the United States Agricultural Experimental Stations. This remedy is well backed up by "Pulmonic," an excellent preparation for severe forms of husk, their alterative conditioners for horses, Wiltshire pig-powders, and milk-fever remedies for cows.

It is scarcely necessary to couple the word sheep-dip with the name of Battle, Maltby and Bower, Lincoln, who made an excellent exhibit of their various dips, besides many other of their agricultural specialities, as well as their vermin-killer. A somewhat different kind of exhibit was placed a little further on, in the shape of a collection of patent natural stone and carbon filters shown by J. Barstow & Son, of Ferrybridge, Yorks. Several forms and sizes were exhibited, including filters for use on board ship, general domestic purposes, and also a pressure-filter for attaching to the main when a large and continuous supply was wanted. Arnold & Sons, of Smithfield, E.C., made a good show of veterinary surgical instruments. A. J. Learner, of Redhill, devoted nearly the whole of his stand to his foot-rot cure. T. Mott, of Ely, who makes a speciality of skin-diseases in horses, exhibited "Powder Lotion," a cure for grease and similar complaints, worm, febrile, and pick-me-up powders, stimulating and rectifying oils, and blistering-ointment. J. Clayton & Sons, of Manchester, provided filtered water from their natural-stone filters, of which there was a good and representative collection, including domestic and eastern filters. From Nature's own the passage was easy to the sparkling table-waters prepared by the Stretton Hills Mineral-water Company, Shropshire, who made a brave show with their soda, potash, seltzer, and other waters.

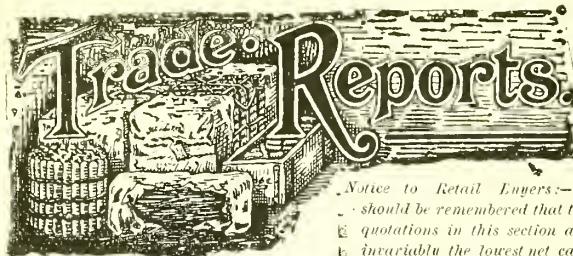
Near the middle of the show Fletcher Brothers, of Grimsby, had an exhibit, the chief features of interest in which were their sheep-paste and dips, weed-killer, and fly-powder. In the way of disinfecting-fluids their pino-phenol should also be mentioned, the exhibit as a whole being quite up to the firm's reputation.

A *détour* was now necessary to reach the other congregated exhibits appealing to the interests of our readers, and first and foremost in this second place of resort was the stand of Spratt's Patent (Limited), London, on which prominence was given to the firm's world-famed meat and fish-and-meat fibrine dogcakes, oatmeal, charcoal, and cod-liver oil biscuits. Then there were their orphan, puppy, and pet dog foods, and general kennel-requisites. They did not confine themselves to foods merely, but exercised the galenic art itself in the preparation of dog-medicines of all kinds, medicines for poultry and pheasants, "Cardiac" powder for poultry and game, and also cures for foot-rot in sheep and canker in horses, which are in the form of ointments. Even this list-wide as it is, does not cover much more than half the specialities the firm had on view.

Zebril (Limited), of Manchester, made a good show with this comparatively new food for dogs and poultry. It is prepared by a special process from sound carcasses; mixed with bread or other starchy matter, it makes a perfect food. Another exhibit of a cognate character was that of J. Beach & Co., Tipton, who make a display of cattle-foods, spicess, and condiments, two special items being their "Grubum," a gruel for horses, and their "Best of all" lamb-food.

N. P. Sandiford & Son (Limited), of Northwich, Cheshire, displayed their potash and other mineral waters and flavoured beverages. Once again we came across an exhibit of cattle-food, and on this occasion by one of the best-known firms in the drug-trade, Evans & Co., of Liverpool. The firm's hay-seasoning spice, poultry, and game meals, and "Excelsior" dog-cakes were the leading exhibits, but they also made a feature of the "Calvine" preparation made for them by the company of the same name. E. Griffiths Hughes, of Manchester, had a display of his Karswood preparations, such as spice-condiment, blood-food for calves, and similar preparations for cattle, pigs, dogs, and poultry. J. Thorley, of London, had a representative collection of foods and cakes, the exhibit including also their lactifier for calves, gruel for horses, and "Vitum" conditioning-powders. The Old Calabar Biscuit Company (Limited), Liverpool, were also *en evidence* with their dog-biscuits, poultry-meal, &c. E. E. Keighley, of Hull, exhibited cattle-foods, and a similar exhibit (in kind) was made by Henri's Patent Cattle-food Company, Hull. Finally, our representative visited the stand of the Dee Oil Company, in whose exhibit was included salve petrolia, in all its various shades of colours, for specific purposes, besides other preparations of special interest to agriculturists.

The show as a whole was quite up to former ones, but there was little new about in stands which we could illustrate.



*Notice to Retail Buyers.—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large quantities in bulk. In many cases allowances have to be allowed before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes. Further points which should be borne in mind are that the distributor generally has to bear the bulk of the freight-charges on the goods on their way from the producer to the retailer, and that for many articles the range of quality is very wide.*

42 CANNON STREET, E.C., July 1.

THE markets have now resumed their normal appearance, and business is fairly active. The purchases of the home-trade have been somewhat limited on account of the half-yearly stocktaking, but this is now at an end, and it is expected that many druggists will find it advisable to lay in supplies of a number of articles of which the position appears sufficiently firm. Next week's drug-sales promise to be extremely heavy, and it is expected that they will be fairly animated. The following are the principal features in the market. In chemicals, citric and tartaric acids are pretty active, and prices well maintained. Cream of tartar, however, remains quiet. Borax is dull of sale, and carbolic acid tending easier. Quinine is almost a dead letter at present. Cocaine is offering at somewhat lower rates, and morphia may also be had from second-hand considerably below the official quotations. Vanillin is reported to have suddenly become scarce, and higher prices are asked. In heavy chemicals we have to report a firm market for bleaching-powder, caustic soda, ammonia alkali, and soda crystals. Saltcake is active, and benzols are tending somewhat higher. Permanganate and yellow prussiate of potash are both very firmly held. Chlorate of potash is also steady. Sulphate of copper, acetate of lead, and crystal alum are dull of sale, with a rather easier tendency. In drugs there has been an advance in castor oil, especially pronounced in French and Italian varieties. Kola-nuts are in good demand. Asafoetida is not unlikely to go higher. Balsams of Peru, tolu, and copaiba are steady. Gentian, ipecacuanha, and buchu-leaves are firm at full prices. Scnequa-root is tending easier. Camphor neglected. Old crop chamomiles are offering at lower rates. Cod-liver oil is quite neglected, and insect-flowers are also tending easier. Somewhat higher prices are asked for calumba, and there is an upward movement in opium, based on the crop reports. At the monthly cinchona-auctions a very firm tone was shown, and some lots realised a unit of 1*l.*, the highest paid for some considerable time. Gum acacia, with the exception of Persian varieties, which are firmly held, is very dull of sale, Soudan sorts easier. For genuine Jamaica sarsaparilla somewhat higher prices have been paid privately. In essential oils there are few changes. For bergamot oil somewhat higher rates are asked, and the same applies to Japanese peppermint and to lemongrass oils. Essential oils of peppermint and lavender promise to be very heavy crops. Turning to drysalteries, spices, &c., we have to report a somewhat easier market for shellac. Canary-seed rather easier. Turmeric and Japan

wax firmly held. Cochin ginger dull of sale; ordinary Jamaica ginger lower. Cassia lignea is dearer, and African ginger has been in strong demand. Cloves are quoted lower. Pepper flat. Persian galls are very firmly held. Chinese unchanged. In quicksilver there is no alteration.

The camphor refiners have recently had frequent occasion to complain of the bad quality of the crude camphor delivered to them, and a movement is now on foot to put a stop to the deliberate adulteration of the gum abroad. In Hamburg, buyers of crude camphor have held a meeting to protest against the growing inferiority of the article as shipped, especially of the Formosa variety, and a committee has been formed to confer with the shippers to put an end to this cause of complaint. The buyers demand that Formosa camphor shall be sold with a guarantee that it does not contain more than 7 per cent. of water or other added foreign matter, while the limit for Japanese camphor is put at 5 per cent., any excess to be allowed for *pro rata* of the buying price. A conference of English camphor refiners and others interested in the drug will probably be held shortly to consider a similar course of action.

The *O., P., and D. Reporter* calls attention to the increase in the demand for carnauba wax during the past few years. That increase began when brown *Carnauba Wax.* boots became fashionable. A suitable polish was required, and experiments proved the superiority of carnauba, or Brazilian vegetable, wax. Carnauba was found to be the hardest wax, and at once came into favour with the polish-makers. It is asserted that no substitute for it in the making of polish has ever been found. It is sometimes mixed with coresin when a softer wax is desired. When the demand for a shoe-polish commenced, carnauba was quoted at 10*c.* to 17*1/2 c.* per lb. That was in 1894. In June, 1896, the prices ranged from 20*c.* to 32*c.*, but now they have fallen again to from 15*c.* to 22*c.* per lb. The imports into New York were 3,095 bags in 1895, and 3,452 bags in 1896. The market for common and medium grades is now quite depressed, owing to the large stock (100 to 150 tons) existing in Brazil. A speculator in that country, who has usually held his goods until he could obtain his price, has been a free seller to provide funds for a large manufacturing-plant he is interested in, hence the market has been depressed still further. For finest yellow carnauba, however, the demand is greater than the supply, and, with no new crop expected before December next, the holders look for higher prices. It has been stated that at present prices gathering will cease, as it does not pay the natives. It must not be forgotten, however, that the price a few years ago was lower than it is to-day, and still carnauba wax was gathered and exported.

A Bulgarian subscriber writes as follows:—"Before the distillations began the weather all through the rose-districts was extremely favourable, and a record crop was expected. In this anticipation all the *The Otto of Rose Crop.* merchants in Kezanlik reduced their price to a very low figure, in order to get rid of their old stock. They succeeded in effecting several sales. It is now seen that both the merchants and the producers have made a mistake, inasmuch as the crop has not come up to expectations, and throughout the distilling-season the weather has been very unfavourable, the rain in parts having been so heavy that the rivers have overflowed and destroyed a large quantity of plants and some distilleries. A south wind, which is harmful to the crop, also prevailed throughout the season, and in consequence the crop is not expected to yield more than 2,400 kilos. of pure essence. It is expected that the prices will be equal to those of last year in any case, and that if there should be a considerable demand they may go higher still than in 1895. The adulteration of otto of rose has recently again taken larger dimensions, and the Government have declared that they will be very strict this year in preventing the importation or the rectification in Bulgaria of geranium oil. It is doubted, however, whether this will really be able to prevent wholesale adulteration. It is said

that many of the Bulgarian rose-firms pay to the peasants from whom they buy 30 per cent. more for otto of rose than the prie at which they sell in the great centres of consumption."

Our Hamburg correspondent telegraphs on Thursday afternoon that *French castor-oil* is advancing, **Telegram.** 59m. per 100 kilos, being now the current quotation. *Refined camphor* is quiet at 265m. per 100 kilos. for bells. *Menthol* dull of sale.

Our New York correspondent telegraphs on Thursday afternoon that *Gum chicle* is quoted at 24c. per lb. The **New York** stock in New York is large. All grades of **Cablegram.** *Cherry-bark* are scarce, 5c. per lb. being the current quotation. Six barrels of *Newfoundland Cod-liver oil* have been sold at \$22 per barrel. A large proportion of the new crop of *Peppermint oil* has been spoiled by rains. *Mandrake-root* of spring digging is quoted at 4c. per lb.

**ACIDS.**—*Citric* firmly held with a rather higher tendency, although B.P. quality, *English* make, may still be had at 1s. 1½d. per lb. *Tartaric acid* is only in moderate demand at 1s. 1½d. to 1s. 1¾d. per lb., the first named price being the quotation for B.P. quality from the makers. It is reported that the French vintage has been damaged, and that this will affect the yield of tartaric materials. *Carbolic acid* is again easier, and offers at somewhat lower prices for crystals: 39–40°C., 7½d.; 34–35°C., 6½d. to 7d.; crude 60-percent., 1s. 11½d.; 75 per cent., 2s. 3d. to 2s. 4d. per gallon. *Cresylic* could probably be had below 1s. 1d. per gallon. The stocks are said to be accumulating.

**ASAFOETIDA.**—There is very little left on hand in London at present, although there are many enquiries, and good quality is held for extremely high rates, up to 100s. per cwt. being asked for fine loose drop. The prices paid for the quantity recently sold ranged up to 75s. per cwt. for good quality. Part of the stock still available will probably be offered at next week's auctions. It is said that asafoetida is now largely used in Germany and France as an ingredient in the manufacture of an insecticide for vines, but this may possibly mean no more than that it is used as a denaturant for the tobacco, &c., used in the vine-dressings in a way similar to that employed in this country for denaturing tea-leaves.

**BALSAMS (MEDICINAL).**—The market for *Peru* balsam is firm, the current quotation being 8s. to 8s. 3d. per lb., with little offering. *Balsam tolu* is also firmly held. For fine, guaranteed genuine balsam, of which the supply is quite small, as much as 3s. 6d. per lb. is asked. Fair soft balsam, quality not guaranteed, offers at 2s. 9d. to 3s. per lb. spot, or at 2s. 3d. to 2s. 6d. per lb., c.i.f., from New York. There seems to be comparatively little demand, however. Good Maranham *Balsam copaiba* is worth 2s. to 2s. 1d. per lb.

**BUCHU.**—Fourteen packages have arrived from Natal by the *Dunvegan Castle*. These will probably be offered for sale next week, but the parcel is a small one, and the drug remains rather scarce on the spot. The last business done, so far as we can hear, was at 3½d. per lb. on the spot for fair green, but higher prices are now asked—viz., 3d. for medium yellowish, and 4d. to 4½d. for good round green.

**CALUMBA** remains scarce, and is held for somewhat higher prices, 35s. being now asked for good natural root, such as was sold at 30s. per cwt. at the last auctions.

**CAMPHOR (CRUDE).**—Quite neglected. The quotations for *Formosa* camphor vary, according to holders, from 87s. 6d. to 92s. 6d. c.i.f. terms, although one importer says that his quotation for *Formosa* camphor is 96s. c.i.f., for August-September shipment.

**CHAMOMILES.**—There is no authentic news yet with regard to the new *Belgian* crop, which is due here at the end of the present month. It seems, however, that the earlier reports, stating that the crop would be a particularly good one, are not far from the mark, for holders are now pressing the old chamomiles for sale, and are willing to accept lower prices,

35s. to 37s. 6d. per cwt. being nominal quotations for good quality.

**CINCHONA.**—The cinchona-bark auctions held in London on June 29 were of fairly considerable extent. The offerings comprised of—

	Pkgs.	Pkgs.
Ceylon cinchona ...	357 of which	253 were sold
E. Indian cinchona ...	1,845	1,530
W. African cinchona ...	118	118
Javan cinchona ...	76	76
S. Amer. calisaya ...	135	—
" cuprea bark ...	8	—
	2,519	1,977

Throughout the auctions there was a very steady demand, almost all the agents buying a fair proportion of bark, and only a few parcels were bought in on account of the high limits placed upon them. A considerable part of the Ceylon bark, and several parcels of the East Indian, were imported between three and six years ago, and part of the Calisaya was landed in 1893. Druggists' barks were particularly well competed for. The average unit may be placed at 3d. to 3½d. per lb., but for some lots a full penny-unit was reached. The following figures represent the quantities of bark purchased by the principal buyers:—

	Lbs.
Agents for the Mannheim and Amsterdam fact.	78,763
Agents for the Frankfort and Stuttgart factory...	66,220
Agents for the Imperial quinine-works ...	62,786
Agents for the Brunswick quinine-works ...	60,380
Agents for the American ...	55,550
Agents for the Auerbach ...	49,968
Messrs. Howards & Sons ...	42,771
Various druggists ...	29,125
Agents for French factory ...	18,000
Total quantity sold ...	462,973
Bought in or withdrawn ...	125,285
Total quantity offered ...	588,258

The following was the range of prices paid:—*Ceylon* cinchona: *Succirubra*, natural chips, 1d. to 1½d.; renewed ditto, 2½d. to 2½d.; *Officinalis*, natural chips, 2d. to 3½d.; renewed ditto, 2½d. to 3½d.; natural *Ledger*, stem chips, 3½d. per lb. *East Indian* cinchona: *Succirubra*, ordinary thin broken quill, 1½d. to 2d.; fair to good fine bold quill, 3½d. to 7½d.; natural chips and shavings, 1½d. to 2d.; shavings, 1½d. to 2d.; renewed shavings and chips, 1½d. to 3½d.; *Officinalis*, root, 2d.; original, good to fine bright, 2½d. to 4d.; renewed ditto, 2½d. to 4d.; *Hybrid*, natural chips, 3½d. to 3½d.; renewed ditto, 3d. to 3½d. per lb. Fine bold silvery hybrid quill is held for 8d. per lb., a bid of 4d. being refused. *Ledger*, original chips and shavings, fair to good bright quilly, 2½d. to 4½d.; branch ditto, 2½d. to 3½d.; root, 3½d.; broken quill, 4½d.; fair to thin renewed chips, 3½d. to 4d. per lb. *Java* cinchona: *Hybrid*, branch chips, 4½d.; good *Ledger* chips, 3½d. to 4d. *West African* cinchona: Fair to good, partly broken, thin red quill, 3d. to 3½d. per lb.

**COCAINE** is tending easier. Nominally the wholesale price for *Hydrochlorate* remains 9s. 6d. per oz., but one of the maker's agents is said to be offering at 3d. below that figure. It is only fair to say, however, that the agent in question denies the imputation, and says that what really is offering 3d. below the price is a second-hand parcel of his principal's make, which has been sent over from Paris.

**CREAM OF TARTAR** is reported rather firmer from Bordeaux, sales of good white *French* having been made this week at 72s. per cwt., f.o.b. On the spot, however, there is no improvement in the article, 77s. to 78s. being the quotation for white crystals; and 79s. to 80s. that for powder.

**GALLS.**—In *Persian* galls there has been a considerable business, especially in blue qualities, at prices ranging up to 52s. 6d. per cwt. for fine quality. Sorts have realised 47s. 6d. per cwt. There have also been various inquiries for green galls, but so far without any business resulting. The price for this variety runs from 43s. to 48s. per cwt. *Blue Smyrna* galls have been sold at 46s. per cwt. on the spot. So far as *Chinese* galls are concerned, the season is now at an end, and there is practically nothing offering for arrival in first-hand. The spot-price for *Chinese* is 64s., at which small

lots are changing hands. For shipment, June-July, 58s., c.i.f., is asked. *Japan* galls offer at 55s. per cwt., c.i.f. terms.

**GENTIAN-ROOT** remains scarce. Good quality still sells on the spot at 32s. 6d. per cwt.

**GUM ACACIA**.—In spite of all efforts to keep up prices, the market for *Soudan* gums shows a distinctly drooping tendency. Good hard sorts have been sold at 57s. 6d. per cwt. in quantity, while for small lots of good quality 62s. 6d. per cwt. has been paid. *Trieste* picked gums are neglected. The quotations run from 5l. to 10l. per cwt., according to colour and size of grain. *Persian* gum continues to sell very steadily. A considerable portion of the recent imports has changed hands at full rates—fine picked, 21s. to 23s.; dark-red to pale sorts, 16s. to 20s.; siftings, 15s.; and blocky pickings, 12s. per cwt. At to-day's auctions 3,563 packages, mostly of East Indian gums, were offered, but only 111 packages sold at the auctions, although several lots were disposed of privately afterwards. The tone at the sales was exceedingly dull. *Ghatti* gum is practically unsaleable. *Scented* *Bombay* gum is scarce and held for full prices, 48s. per cwt. being asked for good sorts. For native-picked *Aden* gum 56s. per cwt. is required. Some ordinary red gum sold at 20s. to 21s. per cwt. *Gehzirah* gum was bought in at 45s. per cwt.

**GUM OLIBANUM** is neglected for all varieties except garblings, which, however, are held above their value. Fair quality sold at auction to-day at 26s., dark and blocky drop at 11s. 6d. Good pale drop was bought in at 40s. per cwt.

**INDIGO**.—The July sales of *East Indian* indigo will comprise about 6,250 chests of *Bengal*, 2,100 *Kurpah*, 230 *Madras*, 900 *Bombay*, and 120 *Bimlipatam*. Privately the inquiry has been rather better lately.

**IPECACUANHA**.—Sales of good *Brazilian* root have been made privately at from 6s. 6d. to 6s. 8d. per lb. The market closes very firmly, and one of the brokers is said to require 7s. per lb. for good quality. There have been no further arrivals. In *Cartagena* root no business is reported since the auctions. The highest price of *Brazilian* ipecacuanha on record is 14s. per lb. This was paid in 1865, during the war between Brazil and Paraguay, when supplies stopped altogether for a time.

**MENTHOL** is slightly dearer. We do not hear that any advance has been paid, but holders are firmer in their prices, 6s. per lb. being the lowest spot quotation.

**MORPHIA**.—In spite of the improved position of opium, there seems to be no life whatever in morphia. Nominally the quotation for powder is still 4s. 9d., but from second-hand holders it would certainly be possible to buy at 4s. 7d., and probably at 4s. 6d. per oz.

**NAPHTHA**.—*Wood* naphtha remains in fair demand, solvent at 2s. 8d., miscible 60 o.p. at 3s. 3d. per gallon. *Coal-tar* naphtha is selling freely, but at rather easier prices—crude, 30 per cent., at 10d.; solvent, 90 per cent. (160° C.), at 1s. 6½d. to 1s. 7d.; ditto, 95 per cent., at 1s. 8d. to 1s. 9d. per gallon.

**NITRATE OF SILVER**.—Quiet at 1s. 6½d. per oz. for quantities.

**OIL (CASTOR)**.—*East Indian* oil very firm, with an upward tendency; first pale quality is quoted at 4½d., seconds at 3½d. *French* oil is dearer, as the seed for crushing is coming forward extremely slowly. Good oil in cases on the spot is quoted at 36s. to 37s. 6d. per cwt. *Italian* oil is also firmer, finest being quoted at 4½d. to 4¾d. per lb.

**OIL (COD-LIVER)**.—We hear from *Bergen*, under date of June 26, that the market remains very dull, with a lower tendency, the quotation for best non-congealing being only 64s. per barrel, f.o.b. The exports from *Bergen* up to date amount to 3,935 barrels, against 2,557 barrels at the same date of 1896.

**OILS (ESSENTIAL)**.—*Star-anise* remains steady, but without demand. The spot quotation is 6s. 9d. per lb., while for shipment, July-August, from 6s. 3d. to 6s. 4d. per lb., c.i.f. terms, is required. *Italian* essential oils are steady, and for *Bergamot* higher prices are asked—from 7s. to 7s. 6d. per lb., f.o.b., being the quotation for good to fine quality. *Lemon-*

*grass oil* is dearer, 2½d. per oz. being now asked for fair quality on the spot. Some business has been done under that figure. For shipment the quotation is 2½d. per oz., c.i.f. terms, shipment to end of December. In *Cassia oil* no business is reported, 4s. 6d. per lb., c.i.f., being the current quotation for 70-per-cent. to 75-per-cent oil. It is stated that the new crop is only that of an average one. *Citronella oil* is held for 1s. 1½d. to 1s. 2d. per lb., on the spot, in drums or tins. For arrival 11½d. per lb., c.i.f., for drums has been refused. *Japanese peppermint oil* steady, with a firmer tendency, 2s. 9d. being now quoted for *Dementholised* on the spot, and 3s. 9d. to 4s. for 40-per-cent. oil. *American oil of peppermint* remains unchanged at 6s. 6d. on the spot for *HGH*. With regard to the outlook of the essential-oil plants in the Miteham district, it is reported that a large crop of *Lavender* is expected, the plants looking extremely well. For good quality of the last season from 90s. to 95s. per lb. is asked, but some holders would probably accept a little less. The prospect of the *Peppermint-crop* is excellent, and if fine, dry weather should prevail from now to the time of harvesting, the result is expected to be extremely good both as regards output and quality. The distillers are anxious to clear the old stocks, and offer freely at 20s. to 22s. 6d. We hear, however, of quotations decidedly below those figures.

**OPIUM**.—There has been a fair demand for *Persian* opium, but the prices, excepting for the finest quality, which continues to sell at 10s. 6d. to 10s. 9d. per lb., are rather easier, common to medium grades ranging from 8s. to 10s. per lb. *Turkish* opium has improved considerably this week, partly in consequence of renewed American demand, and partly because of the reports which are put forth that the crops throughout Turkey have been severely damaged. The prices practically remain as when we quoted them last, but the tone of the market is much better. There is very little offering in London now, the total stock at the chief depot (Red Lion Wharf) being said to amount to only about 200 cases, of which one-half is *Persian* opium. It is also said that the *Salonica* district, which was expected to produce 2,000 cases of opium this year, will yield only about 1,300.

**QUASSIA**.—A few days ago fair quality logs sold as high as 6l. per ton. Since then, however, the market has eased off a little, and 5l. 15s. per ton would be accepted to-day. For good kiln-dried chips the quotation runs from 12l. to 12l. 10s. per ton, which is low, compared to the price of the logs.

**QUICKSILVER**.—Practically unaltered at last week's decline. The importers quote 7l. 5s., second-hand holders 7l. 3s. 6d. per bottle.

**QUININE**.—No business whatever has been reported this week. Practically all the German agents are now without quotations, though they still nominally quote a price, being unwilling to sell excepting in small quantities to special buyers.

**RHUBARB**.—A parcel of 17 cases was on board the steamer *Aden* which has been wrecked. A quantity of new *Canton* and *Shensi* root will be offered for sale at next auctions. It is said that privately business in medium round *Canton* has been done up to 1s. 6d. per lb.

**SAFFRON** is very firmly held, at from 42s. to 45s. per lb. for finest *Valencia*, according to holder, and from 38s. to 40s. for good second quality.

**SARSAPARILLA**.—There have been further arrivals: 55 packages by the *Atrato* from *Colon*, 4 by the *Idaho* from *New York*, and 28 by the *Colorado* from *New York*. It is not yet known what qualities these parcels represent. Genuine *Grey Jamaica* root has been sold at 2s. 4d. per lb. privately. *Lima-Jamaica* is not offering.

**SENEGA** is easier, good quality being quoted at 1s. 0½d. per lb., c.i.f. terms.

**HELLAC**.—The spot-market opened quietly this week with moderate sales, while for delivery only a little business was done: August *TN* at 61s., and September at 62s. to 62s. 6d. per cwt. At auction on Tuesday 1,234 cases were offered, of which 617 sold at irregular rates for *Orange* lac, good to fine qualities being fairly firmly held, while medium grades sold at a decline of from 1s. to 2s. per cwt. Common *Garnet*

ac sold at lower rates, but *Button* lac was fully steady. The following prices were obtained:—*Orange*, good to fine pale, partly cakey, 65s. to 77s.; fair bright, 61s. to 62s.; second *orange*, fair reddish to bright, 58s. to 61s.; fine bright but curly, 58s. to 59s.; flat free bronze, 56s. to 57s.; ordinary partly blocky livery, 54s. to 55s. per cwt. *Garnet*, common 50c, 50s. to 51s. *Button*, fine but blocky firsts, 72s.; fair ditto, 68s.; common to medium, 44s. to 58s. per cwt. Since the auctions prices have declined to 60s. 6d. per cwt. for August, and 61s. 6d. per cwt. for September, *TN orange*.

*SPERMACETI* quiet, refined *American* being offered at 1s. 3*3*d. per lb. on the spot.

**SPICES.**—*Nutmegs* and *Mace* are quiet and dull of sale ordinary to good West Indian mace, 1s. 2*d*. to 1s. 6*d*. per lb. *Cassia lignea* dearer, with an improved demand, several hundred bags having been sold privately at 41s. per cwt. *Cinnamon chips* steady: ordinary coarse Ceylon, 2*3*d.; quillings, 9*1*<sub>2d. per lb. *Pimento* remains quiet, only 50 bags selling at auction at 2*1*<sub>2d. per lb. for fair clean. Forty bags *Singapore Long pepper* were partly sold at 18s. 6*d*. *Black pepper* is dull of sale, the bulk of the supply at auction being bought in. Ordinary grey Tellicherry realised 2*7*<sub>8d. to 3*d*.; fine washed clean Coorg, 3*1*<sub>2d. per lb. Privately the demand for *Singapore pepper* is slow, with sellers July-September 3*7*<sub>8</sub>d. per lb. *White pepper* slow of sale. Good to fine bold heavy *Singapore* realised 5*d*. to 7*1*<sub>2d. Privately the market for Penang is rather steadier, with sales on the spot at 3*7*<sub>8</sub>d. *Ginger* without much demand. New Jamaica was in large supply. Fine qualities are unchanged, but common grades were from 2s. to 3s. cheaper. Bold, bright selected, 10*d*. to 11*s*.; fine bright bold, 9*2*s. 6*d*. to 100s.; common to medium washed, 75s. to 88s. *Cochin ginger* in large supply and rather easier; good medium cut, 70s.; medium to bold rimmed native cut, 56s.; small bright washed rough, 31s.; ordinary brown ditto, 25s. per cwt. *Cloves* lower, Zanzibar sold 2*5*<sub>16d. per lb. for October-December.</sub></sub></sub></sub></sub></sub>

**TONCA BEANS.**—The shipments of tonca beans from Ciudad Bolívar, in Venezuela (the central market), amounted to 254,032 kilos. (value 67,320*l*.) in 1896, against 27,265 kilos. (value 17,760*l*.) in 1895.

**TURMERIC.**—*Cochin* finger has been in good demand, but the supply is very small, and no business has resulted. Split *Cochin* bulbs are quoted at 7*s*. 6*d*.; fair *Bengal* finger at 10*s*. per cwt. At auction 98 bags *Madras* sold, subject to approval at 16*s*. per cwt. for good bright finger. Good *Cochin* finger was bought in at 12*s*. 6*d*., and fair split bulbs at 7*s*. 6*d*. per cwt.

**VANILLIN** is said to have suddenly advanced, most of the manufacturers being temporarily unable to deliver. There has been a good inquiry for immediate shipment to America, one of the manufacturers, who was asking 3*s*. 1*d*. per oz., is said to have raised his quotation to 4*s*. 6*d*. Others still quote 3*s*. 5*d*. per oz., but cannot deliver anything immediately.

**WAX (JAPAN).**—Is firmly held with little offering, but only a limited enquiry. On the spot 45s. per cwt. is asked, and for arrival steamer shipment near at hand the quotation is 37s. to 38s. per cwt., c.i.f. June-August shipment offers at 35s., c.i.f.

#### The Market in Heavy Chemicals.

The general tone in the heavy-chemical market is a steady one, whilst prices are mostly firm, and to a great extent unchanged. The demand for miscellaneous products all round seems to be on the increase, but it is not quite so heavy as is usual at this time of the year. *Bleaching-powder* meets with moderate inquiry at 6*l*. 5*s*. per ton for softwood casks, f.o.b. Liverpool, and 6*l*. 10*s*. per ton, free on rails Liverpool. Hardwood casks, 5*s*. per ton extra. *Caustic soda* is moving steadily, but highest strengths are not in very brisk demand just at present—60 to 62 per cent. cream, 6*l*. to 6*l*. 2*s*. 6*d*.; 60 to 62 per cent. white caustic soda, 6*l*. 5*s*.; 70 to 72 per cent., 7*l*. 5*s*.; 74 per cent., 8*l*. 5*s*. per ton, all f.o.b. Liverpool; 76 to 77 per cent., 8*l*. 15*s*. to 9*l*. per ton, f.o.b. Tyne or Liverpool. *Ammonia alkali* continues firm at 4*l*. per ton, f.o.b. Liverpool, and 3*l*. 17*s*. 6*d*., free on rails, in bags. White alkali steady; 52 per cent., 5*l*. 5*s*.; 50 per cent., 5*l*.; and 48 per cent., 4*l*. 15*s*. per ton. *Soda ash, carbonated*, 48 per cent., 4*l*. 17*s*. 6*d*.; and *Caustic*, 5*l*. 2*s*. 6*d*.

per ton, on rails. *Salteake* firm at 20*s*. per ton. *Cream of tartar* easy; powdered, 80*s*. to 81*s*.; crystals, 78*s*. *Soda crystals* in good demand at 57*s*. 6*d*., f.o.b. Liverpool, and 52*s*. 6*d*. to 55*s*., f.o.b. Tyne, in casks. *Sulphate of ammonia* quiet; 548 tons were exported from Leith last week. *Crystal Alum* somewhat dull; lump, 4*l*. 17*s*. 6*d*. to 5*l*.; ground, in casks, 5*l*. 10*s*. *Acetates of lead* are very quiet: brown 15*l*. 10*s*. per ton, less 2*1*<sub>2</sub> per cent., and white 23*l*. per ton, less 2*1*<sub>2</sub> per cent., Glasgow. *Nitrate of lead*, 19*l*. 5*s*. per ton, less 2*1*<sub>2</sub> per cent., Glasgow. *Sulphate of copper* in moderate demand, but prices are not very firm; quotations are 15*l*. 10*s*., Liverpool 16*l*. to 16*l*. 5*s*., and Anchor 16*l*. 10*s*. Best white-powdered *Arsenic* is still quoted 23*l*. 10*s*., and is in rather better supply. *Chloride of barium* steady, 7*l*. to 7*l*. 5*s*., f.o.b. Tyne. *Carbonate of barium*, precipitated, 8*l*. 15*s*. per ton, f.o.b. or f.o.r. Tyne. Mineral *Carbonate of barytes* varies, according to percentage, from 57*s*. 6*d*. to 107*s*. 6*d*. per ton, f.o.b. Tyne, in bulk. High percentage is at present rather scarce. Precipitated *Sulphate of barytes* steady, and in request at 7*l*. 5*s*. to 7*l*. 10*s*. per ton, f.o.b. Tyne, in casks. *Benzols* are steady, and appear to be improving. *Hydrate of baryta* meets with fair inquiry, and is quoted 13*l*. to 14*l*. 5*s*. per ton, on rails, according to quantity. *Green copperas* is not moving quite so briskly, but prices remain firm. Best Lancashire 38*s*. to 40*s*. per ton, and Welsh 33*s*. to 34*s*. per ton, f.o.b. Liverpool. *Bichromates of Potash and Soda* in fair request, and quoted at 4*g*d. to 4*3*<sub>4d. and 3*5*<sub>8</sub>d. per lb., respectively. Yellow *Prussiate of potash* firmly held. Beckton is quoted 3*7*<sub>8</sub>d. to 4*d*. per lb., and best Lancashire makes 5*1*<sub>2</sub>d. to 6*d*. per lb. but only a small business is passing.</sub>

#### The Liverpool Drug-market.

Our Liverpool correspondent, writing on June 30, says that the close of the half-year is very quiet on the markets, most buyers limiting their transactions to actual needs for the time being. It is thought that July will see an improvement in many staples. For gum acacia, *Soudan sorts*, there is a fair inquiry, but buyers hesitate to pay the advanced prices asked, and there is an absence of business to report. Spot holders of hard amber quote 67*s*. per cwt. Medium grades are in fair request, but owing to the small variety available there is only a limited business passing. *Cream of tartar* is steady at the late rates, but importers are talking of higher prices in the near future. A small parcel of Bahia, and a similar one of Pará, balsam copaiba have been sold on private terms. *Guinea grains* are quiet for the moment at 22*s*. 6*d*. In *African ginger* there has been considerable movement, 60 tons selling in one line, for shipment to the U.S.A., at 17*s*. per cwt., and the market is steady. *Castor oil* is steadily moving upwards, and sales of good seconds Calcutta have been effected at 3*d*. Holders are now asking 3*1*<sub>2d., and there is every prospect that the price will be paid in a day or two. First-pressure French is held for 3*3*<sub>8</sub>d., at which small sales have been made. Sierra Leone *Chillies* are very firmly held, at prices ranging from 30*s*. to 35*s*. per cwt. *Canary-seed* continues to droop, and sales of bright Turkish have taken place at 24*s*. to 25*s*. per quarter. *Kola-nuts* are very scarce, and business has been done in good dry at 4*d*. to 5*d*., while fresh, which seem to find more favour now, are realising 8*d*. per lb.</sub>

#### The Hamburg Market.

Our Hamburg correspondent writes, under date of June 29:—“Business continues to be very quiet here, and there have been no great changes in our drug-market since last week. *Citric acid* very firm and dearer, at 249*m*. to 250*m*. per 100 kilos. *Tartaric acid* steady, at 225*m*. to 230*m*. per 100 kilos. *Balsam copaiba* is quiet, at 4*m*. per kilo, for Maracaibo. *Balsam Peru* quiet, at 15*m*. to 15*1*<sub>2</sub>*m*. per kilo. *Balsam tolu* unchanged, at 4*3*<sub>4</sub>*m*. to 5*m*. per kilo. *Russian anise* shows an upward tendency in consequence of unfavourable reports from Russia; to-day's quotation is 29*m*. to 30*m*. per 100 kilos. *Cumin-seed* is unchanged—spot at 38*m*. to 40*m*. per 100 kilos.; new crop, to arrive, at 41*m*. per 100 kilos. *Caraway-seed* steady, at 37*m*. to 37*1*<sub>2</sub>*m*. per 100 kilos. *Cassia lignea* shows a quiet market; some new cassia has been sold at 70*1*<sub>2</sub>*m*. per 100 kilos. ex quay here. *Camphor (refined)* very quiet, spot at 272*1*<sub>2</sub>*m*. to 270*m*. July 270*m*. September-December 265*m*. per 100 kilos. *Borax* quiet; sales have been effected at 31*m*. to 30*1*<sub>2</sub>*m*. per

100 kilos, by an inland factory. *Ergot of rye* quiet, at 90m. to 95m. per 100 kilos. *Honey* is quiet, but new Chilian honey, Pile III, shows some demand at about 42m. per 100 kilos. *Menitol* is unchanged, at 13m. to 13½m. per kilo. *Kola-nuts* are quiet, at unchanged prices. *Lycopodium* is steady, at 265m. per 100 kilos. *Opium* quoted 19m. per kilo. *Quinine* is unchanged, at 23m. to 25m. per kilo. *Quillaya bark*, 33m. per 100 kilos. *Cod-liver oil* remains quiet; 1897 non-congealing oil is offering at 68m. to 70m. per barrel. *Castor oil* quiet, at 58m. per 100 kilos, for spot delivery. *Cassia oil* is dull. *Star-anise oil* quiet, at 14½m. per kilo. *Cojuput oil* steady at 2.85m. per bottle. *Peppermint oil* (HGH), 6½m. per lb.; Japan oil, 5½m. per kilo. *Spermaceti* is quiet, at 290m. per kilo. *Star-anise seed* unchanged, 165m. per 100 kilos. *Wax (Japan)* on the spot is firm, at 74m. to 75m. per 100 kilos. *Carnauba wax*: grey, 82½m. to 85m.; medium, 125m.; yellow, 140m. to 145m. per 100 kilos."

#### The Amsterdam Market.

Our Amsterdam correspondent writes, under date of June 24, that at present there have been announced for public sale, on July 15, about 463,759 kilos. of Java cinchona. Of this quantity 439,901 kilos. are Private, and 3,385 kilos. Government bark. This quantity represents practically the whole of the stock in Amsterdam. For, apart from it, there are only left in first-hand 1,301 packages of Government, and 715 packages of private bark.

#### The Smyrna Opium-market.

Our Smyrna correspondent writes, under date of June 18: "Since my last report it has been raining continually, as though we were in midwinter; not only that, but in some parts there have been severe hailstorms and inundations, and communication with several of the opium villages is interrupted. It is estimated that in the Smyrna neighbourhood alone the storm has done damage to the equivalent of 600 cases of opium, and in consequence of this holders of old gum are much firmer, and will not sell at any price. The arrivals of new opium up to date are 20 baskets, against 26 baskets at the same date of last year. Not only the opium, but all the staple crops, such as barley and beans, have been severely damaged."

#### The American Drug-market.

Our New York correspondent writes, on June 22:—"The stock of Honduras *Sarsaparilla* has been increased from 311 to 475 bales by an arrival by the *Carib*, the regular boat sailing between Honduras ports and New York. The next day, however, 45 bales of the two cheaper varieties were disposed of, which now leaves 430 bales in stock, none of which can be had below 28½c. The commoner varieties are now very scarce, with 29c. as the jobbing quotation. As three months will elapse before the *Carib* comes back again, still higher prices are sure to rule, notwithstanding that the demand at this season of the year is very limited. Mexican *Sarsaparilla* is very abundant, first hands having about 225 bales held at 4½c., and second hands generally being well stocked, and quoting 5c. A further decline would not be a surprise. *Balsam tolu*: Of this article 42 odd cases sold at 46c. to 46½c. from importers, and 50c. to 56c. jobbing. *Balsam copaiba* seems to be considered worthy of attention. *Angostura* brought 38c. to-day. Central American 36½c., and Maracaibo 40c. from first hands. *Jalap* of prime quality can be had from first hands at 8½c., but most holders ask 9c. The stock with importers is 244 bales, and second hands have more than they will need for a long time. In view of this it would appear the importers' price might go still lower. *Gum chicle* is held at 24c. to 25c., but poorer lots can be had as low as 22c. The stock of *Curacao aloes* in first hands amounts to 335 cases, and about 49 barrels ground, held respectively at 2½c. and 4c. Some 300 packages were disposed of recently. Buyers' views are 2c. for cases and 3c. for ground. *Oil of peppermint* seems neglected at \$1.42½ for HGH, and \$1.05 for prime bulk, but these quotations, it is thought, can be shaded on legitimate orders. Of the new crop there are no further reports, except of the usual order—namely, that floods and blight are doing considerable damage. As the total supply in New York is very considerable, there will not be so many very anxious speculators early in the season, and, in

consequence, no important advance is likely to occur when new crop offers. The latest reports from Central New York, Southern Michigan, and Northern Indiana, establish beyond doubt that the peppermint acreage for 1897 will be considerably smaller than that of last year, Wayne Co. (N.Y.) advises estimating the decrease at 25 per cent. The price of oil has been so low and the business so unprofitable that many farmers who have for years made a specialty of peppermint are more than half inclined either to abandon it entirely or give it just enough attention to keep the plants in healthy condition. *Oil of spearmint* can be had at \$1.40 for bulk, and about \$1.90 for HGH. *Balsam Peru* jobs at \$1.95, none being in first hands. *Simaruba bark*: A large lot arrived recently, and is held at 12½c., but considerably less may be taken on a bid. *Cuban beeswax* sold at 28c., and fair domestic unselected at 27c. Little, however, is offering. *Senega-root*: The stock of last and previous year's crops now in the market is far larger than is generally supposed. The price asked at present is 20c., but when new crop comes in, say in July or August, a further drop is probable. *Oil of sassafras* has been sold as low as at 31c. from the country, while jobbers ask 32½c. *Blood-root* is worth 8c. per lb. from jobbers. The article is now being collected. *Black-haw bark* of the root can be had at 6½c. *Mandrake-root*: There is practically no more root of last autumn's crop to be had. Thin shrivelled fibry spring and summer dug is offering from the cultivators in the country as low as 3½c. No heavy bold stock can be got out of the ground until August. *Lobelia-herb* will come in next month, and the indications are that as low as 4c. to 5c. will be acceptable to the gatherers. *Sassafras-bark* of the root: prime bright is held at 7c., but as low as 5½c. will be taken for usual quality. *Wahoo-bark* of the root is obtainable at 12c. *Cod-liver oil* (Newfoundland) is selling as low as 55c. per gallon."

**COCAINE** has a law all to itself in Colorado. It can only be sold by medical prescription. This applies to cocaine nitrate, borate, lactate, phenate, carbonate, saccharate, or cocaine or any of its salts or compounds.

**THE SALE OF POISONS BY OILMEN; A CORONER'S ADVICE.**—Dr. Danford Thomas held an inquest at Islington on Tuesday on the body of a woman who committed suicide at Barnsbury by taking some spirits of salts that was purchased at a branch of Walton, Hassall & Port's. The husband produced the bottle that had contained the poison, and there was no label on it. The manager of the branch was called, and stated that he sold a large quantity of spirits of salts, principally to plumbers. The Coroner asked whether the poison would be sold in any vessel that the customer might bring, even a ginger-beer bottle! The witness said it would. The Coroner asked if any label would be put on the vessel! The witness said they only put a label when carbolic acid was sold. The Coroner supposed that anyone would be served with the poison. The witness said he did not sell poisons to young persons. The Coroner said he need not take that precaution. The witness said it was his practice to caution persons about the use of such poisons if they were not known to him. The deceased, who resided next door to the shop, told him that she wanted the spirits of salts for cleansing the closet-pans. A juror said he thought oilshop-keepers should be compelled to properly label bottles that contained poison. A chemist was liable to heavy penalties if he failed to take precautions in regard to the sale of poisons, but the oilshop-keeper could sell it without taking the slightest care. The Coroner said the Sale of Poisons Act, 1861, did not apply to oilshop-keepers. He knew that some oilshop-keepers, although they were not bound by law to do so, did take the trouble to label the bottles or packets with a red label having the word "Poison" on it, and it would be a very good thing if the whole of the trade would take that precaution.—A second inquest was held at St. Pancras on the body of a child named Hine, aged 5 years, who drank a quantity of spirits of salts from a ginger beer-bottle, from the effects of which it died in the Royal Free Hospital the following day. The father stated that the poison was purchased at an oilshop in the ginger-beer bottle. A juror remarked that such poisons ought not to be sold out in such bottles, especially so without being labelled. The Coroner said he was frequently calling attention to the necessity of oilmen properly labelling bottles that contained poison.



*In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

#### Old-time Pharmacy.

SIR,—Seeing your correspondence in THE CHEMIST AND DRUGGIST on "London Wholesale Druggists in 1817," I beg to inform you that our business was in existence in 1790. The heads of it were my grandfather (Mr. John Gale) and Mr. Moore. Afterwards it became Gale, Baker, Warde & Oldfield, and then Gale & Co.

Will you kindly insert this in your next number?

I am, dear Sir, yours faithfully,

JOHN DUKEYNE GALE.  
(Gale & Co.)

15 Bouvierie Street, Fleet Street, E.C., June 25.

SIR,—Referring to notices of old London drug-firms, I have in my possession a local druggist's ledger of 1784 to 1791. In it I find entries of such names of London firms as the following:—

Taylor & Davy	Machill, Hills & Co.
Jacob & Jones	Thomas & James Jones

With the first-named firm the transactions for the year 1791 amounted to 85s. 6s. 8½d. Two or more of these names are still well and favourably known to the trade, but whether they are the representatives of the parties named I cannot say.

Subjoined is a copy of a retail account, against a well-known baronet of his day, from the same ledger:—

1791, May 10.		s.	d.
4 oz. ess. bergamot, at 1s.	...	...	4 0
4 oz. marshmallow oint., at 2½d.	...	...	0 10
1 lb. Epsom salts	...	...	1 0
4 oz. liquid laudanum, at 1s.	...	...	4 0
4 oz. nux vomica	...	...	0 10
1 bot. capilar.	...	...	1 0
8 oz. Venice turpentine, at 1½d.	...	...	1 0
4 oz. Turner's cerate, at 2½d.	...	...	0 10
4 oz. Turlington balsam, at 10d.	...	...	3 4
4 oz. oil of turpentine, at 2½d.	...	...	0 10
4 oz. white ointment, at 2½d.	...	...	0 10
4 oz. basilicon, at 2½d.	...	...	0 10
4 vials	...	...	0 4
		19	8

I am, yours truly,

W.M. ROBERTSON.

Elgin, June 26.

SIR,—I take the liberty to fix your attention on page 965 of your highly-interesting paper. "The Drug Trade in the Victorian Era," in No. 896. Under the head "Animal Extracts" you mention my late friend and colleague of the Académie de Médecine, Dr. Dujardin Beaumetz, as the originator of the testicular extract. It is, however, not he, who died still in the prime of life, but Brown-Séquard, the celebrated physiologist, Professeur au Collège, France, et Membre de l'Institut, who was the originator, and died aged about 78 years.

Yours sincerely,

J. E. DE VRY.

[We are obliged to the venerable quinologist for calling our attention to this lapse of ours.—ED. C. & D.]

#### The Origin of Fluid Extracts.

SIR,—We have read with much pleasure your admirable retrospect of "The Drug-trade in the Victorian Era," in your issue of June 19, embracing, as it does, a most interesting history of the past sixty years of pharmacy.

Will you kindly allow us to point out, however, that, with respect to the question of priority in the preparation of fluid

extract of senna *in vacuo*, the name of our firm as the original manufacturers has been long ago established? If any of your readers care to refer to the issues of the *Pharmaceutical Journal* for November and December, 1843, pages 248 and 295 respectively, it will there be found that we had a start of at least two years over any other maker, our preparation having been advertised and commanding a large sale in the year 1841. This, of course, is very much a personal matter; but, since it has been mentioned, we shall feel obliged by your publishing the facts as given above.

Yours truly,

21 Duke Street, Edinburgh, T. & H. SMITH & CO.  
June 29.

#### Another Misrepresentative.

SIR,—A person, giving his name as Mr. Bleasdale, of Bleasdale (Limited), York, has been calling upon some of our friends in London, and offering to place large orders with them if some special inducement could be made him. He also mentioned, incidentally, amongst other interesting items of news, that he had lost his purse in the crowd. We may state that there is no Mr. Bleasdale associated with this company, and we desire to caution our friends in London and elsewhere against the blandishments of this interesting person, who is willing to give large orders but unfortunately loses his purse. Yours faithfully

(For Bleasdale, Limited),

York, June 29. A. HUMPHREYS,  
Managing Director.

#### Chemists and the Dentists Act.

SIR,—We are pleased to see letter from your correspondent "Dens" (146/71), in C. & D., June 26, 1897, page 1012. Our promise of 5*l*. still holds good, and we would suggest that you should forthwith collect the promised subscriptions, and get, as soon as possible, a case tried in the superior English courts. Should the money not be required, you can always return it. If you have it, you need not lose the chance of a case waiting for the promised subscriptions. If you wish, we will begin by sending you a cheque per return. We would also suggest that you try a case similar to the one at Edinburgh.

Yours faithfully,

Manchester, June 28. MACDONALDS (LIMITED)

[We are obliged to the correspondents who have repeated their offers of contributions towards a test-case. We assume that all who promised to subscribe last year are ready to redeem their promises when called upon, and we may repeat the announcement we published last year, that any CHEMIST who is threatened with an action under the Dentists Act is requested to give us immediate information. His case will be promptly considered by the committee formed by our subscribers last year, and if it should seem to be one which will effectively raise the question of title, the defence will be undertaken and a High Court decision obtained.—ED. C. & D.]

#### Chemists and the Jubilee.

SIR,—I am sorry that I cannot unite with you in your benign wish, expressed in your column, that all chemists on the route of the Jubilee procession have been fortunate in the letting of their seats.

Some of them may be worthy men—nay, even worthy "men and brothers." I believe that they are; but, with the memory of certain strange adventures still lingering in my mind, I cannot join in your hope that good fortune has befallen all of them.

Why did I pursue my researches in the half-forgotten land of the "South-side"? "Because," I said to myself, "here reside no opulent merchant princes; no bloated syndicates strive to become farther swollen on fancy prices for seats. Here, perhaps for a guinea—who knows?—for 15*s.*, nay, 10*s.* 6*d.* each, I may secure the two seats I want."

Great was my joy, on that Sunday afternoon, to observe a chemist's, in a fairly good position on the shady side of the street. Such pregnant phrases as *esprit de corps*, "brotherhood in arms," &c., flashed through my mind.

"Here, at last," I said to myself, "I am surely suited; I need seek no longer. Here is one who will not look upon me as so much prey for the fowler; but who will take a

personal interest in me, and stretch a point to accommodate me. I shall be no longer 'like an Israelite among Pharaohs who knew not Joseph.' To my joy, I discovered a notice that Mr. Younker, of Fortunatus Street, W., had the seats to let, and forthwith, at 9 o'clock on that evening, I presented myself at Mr. Younker's bar (for so it seemed), in the most fashionable quarter of London; and, after some mystic trampings behind the scenes, Mr. Younker stood before us, for I had brought a friend with me.

In place of the smart-looking gentleman I had anticipated, I beheld a tall, sad-eyed man, with a straggling moustache curveting about his reluctant lips. At the sight of my business-card he abated not a jot of his apparently normal business melancholy, but became, if possible, more stern and melancholy than before on learning that I was a chemist. Once or twice a fleeting smile of derision passed over his countenance as he enumerated, in an official way—unwilling to impart information—the official prices of his seats, neither vouchsafing particulars nor showing inclination to even sympathise with the desire of a comparatively poor chemist to get as much as possible for his two guineas. Only once, as my friend observed—when I compared him sarcastically to Bismarck—did a proud smile of satisfaction spread over his face.

During the week I made another trial, and, to my joy, found another chemist's a little further down the road, bearing the usual notice, "Seats; reasonable prices." I entered. A stout, portentous-looking individual confronted me, clothed apparently in a new kind of oiled court-plaster suit, bearing in grimy hand a tray of pills, which he rubbed gently against his nose all the time he was talking to me. To him I expounded my wish to obtain two seats as reasonably as possible. At first he regarded me, apparently with awe and worship, as a sort of Barnato *redivirus*, or, at the least, an ordinary diamond millionaire; but when he learned that I was a chemist he began to inhale the odour of the pills with renewed zest, and glared at me ferociously. His anger at seeing a chemist fairly decently dressed seemed to be the first emotion which quivered through his bulky frame—and it took some time in quivering. He swayed to and fro, rubbing the powder from the pills on to his nose, and displaying premonitory symptoms prognostic of apoplexy. For fully a quarter of an hour he regarded me with a look which I can only compare to that of a Krüger, *sans* beard and Bible, gazing upon a Chamberlain stretched on the rack. Finding that I would not go—because I was waiting to see him take the fit that I expected—he finally stumbled towards the back shop, grunting horribly all the way, and an oily, fat man appeared, who took me upstairs and showed me several barrack-like rooms, with two narrow windows to each, and four rows of chairs, at three guineas each set, facing the blank walls.

Needless to say, I sought for no more chemists. I found a jovial, genial man, who owned a humble restaurant, and a quiet, dignified lady, who owned a draper's, who had for the nonce made one stand of their three windows, and who promised to make everybody who came as much "at home" as possible, and were effusive in their kindness in imparting information. With front seats at a guinea each, I had the pleasure on Jubilee day of knowing myself surrounded by acquaintances whom I had sent down and introduced to this stand—not a chemist's.

Yours truly,

S. W. (152/46.)

#### Turpentine in Soda-water Bottles.

SIR,—I beg to submit the subjoined for your perusal, and, with your approval, for a statement at length giving full particulars of what legal authority—if any—an association such as the one named has for asseverating that chemists, druggists, and others, cannot legally supply customers with turpentine in mineral-water or other bottles tendered.

Recently a neighbouring restaurateur sent me a mineral-water bottle, unlabelled and smelling strongly of turpentine, to have turpentine put therein. I gave what was wanted, and, to make it clear to anyone into whose hands the bottle might fall, labelled it "Turpentine" with my name and address.

Next day a vanman, equipped with the subjoined "caution!" and the turpentine-bottle, collected by him with others from the restaurateur's shop, called and conducted himself in a very impertinent manner, referred me to some imaginary advertisement or report of some case in your valuable journal,

and intimating that he or his firm was quite at liberty to prosecute me and have me heavily fined. It may be worthy of note that his customer, the restaurateur, was not subjected to one word of complaint or protest, or even of inquiry. Some aerated-water manufacturers demand a deposit for their bottles when left with the customers, and some do not.

Yours very respectfully,

NOTROG. (144 20.)

The following is the advertisement referred to, a cheaply-produced handbill.

#### CAUTION!

The Manchester and District Mineral-water Trade Protection Association hereby gives public notice that criminal proceedings will be taken against any person found wilfully breaking, damaging, or otherwise destroying or being illegally in possession of bottles or boxes belonging to members of this Association; and anyone discovered extracting rings or stoppers from such bottles will be likewise prosecuted.

Chemists, druggists, and others are requested to take notice that it is illegal to supply their customers with turpentine, oils, or other deleterious liquids in mineral-water, batanic-beer, or ale and porter bottles. It is also illegal for publicans and beersellers to supply spirits or beer in mineral-water bottles.

Information as to stray bottles found in untenanted houses, mills, or workshops, should be sent to the nearest mineral-water works or bottle exchange.

[We have frequently stated that the claim that aerated-water bottles should not be used for containing anything else (oil, vinegar, milk, turpentine, &c.) has never, so far as we know, been sustained by any Court; but it has been held that aerated-water bottles marked with the name of any manufacturer may not be used for a similar purpose by another manufacturer, and that the conditions under which aerated waters are now sold do not transfer the property in the bottles from the manufacturer to the purchaser. We do not think it likely that a Court would consider the sale of turpentine in a soda-water bottle an offence under the Merchandise Marks Act, but it is just possible that a good lawyer might persuade a Court that injury is done to the owner of a soda-water bottle by the use of such bottle for a substance difficult to get rid of; and we think that our correspondent and chemists generally will agree that it is a fair contention.—ED. C. & D.]

#### The First.

WHEN the date of your appearance there the local sec. advises you,

There comes a heavy feeling to the region of your vest,  
And you strew your Latin grammar till the rosy dawn apprises you  
'Tis time to flee from Virgil to the regions of the blest.

Your dreams are mixed with sermons on that odious system metrical

And fragments of an essay on the pre-historic ape,  
And an ichthyosauric monster, with an instrument obstetrical,  
Endeavours to extract the cubic root from jaws agape.

You gorge yourself with decimals in shocking superfluity,  
And ooze the vulgar fractions out from every open pore;  
And you waken with that comfortless, abdominal vacuity  
Which, as the day approaches, but increases more and more.

The fatal day arrived at length, you sit in speechless wonderment,  
And gaze upon your quaking fellow-sinners gathered there;  
While the awe-inspiring gent-in-charge sheds frowns and woful thunderment

O'er golden-rimmed binoculars, should whisper cleave the air.

You wade thro' miles of figures, and your brains are in a tangle—ment

As you reckon up to the portions due to A and B and C,  
While the organ in the street below, with most unseemly judgment,

Is grinding out the classic "Have a drink along o' me."

You wrestle long with Virgil, or perhaps "De Bello Gallico,"  
And you do your free translation with a trembling and a fear;  
But you pen an ornate essay on the mode of making calico,  
And it very much surprises you when told 'tis time to clear.

Back to shop again you go to wait, with patience stoical  
And very mingled feelings, for the tidings of your fate;  
And you dodge the wary postman in a manner unheroical,  
For your tender heart is beating like the lovers at the gate.

O! years it seems and centuries; despair replacing hopefulness,  
Until the happy morning when the crested missive comes,  
To tell that you have passed, and thus to change your gloom  
hopefulness

T' the gay and giddy gladfulness which all around you hums  
W. C.

## DISPENSING NOTES.

This section is intended for the elucidation of dispensing difficulties. Subscribers and their employees may contribute to it, criticising any of the following notes or contributing notes on prescriptions which they have found to be of unusual interest.

## Ichthyol-spray.

SIR.—This may be dispensed by dropping the ichthyol (ammon.) in the aq. dest., and shaking until dissolved; then mixing the ether with the alcohol, and adding to the ichthyol solution.

Yours truly,

June 25.

JUNIOR. (150/59.)

## A Liniment.

SIR.—I should be greatly obliged if you would inform me the correct method of dispensing the following, and what its appearance should be when finished:—

Lin. potass. iod. c. sapone ...	... 5ij.
Ol. pini sylvestris ...	... 5j.

Mix

I am, yours, &c.,

BRISTOL. (152/20.)

[It is difficult to give the correct method for dispensing this. As written it is a complete failure, but it can be made of an ointment-like consistency by reducing the quantity of water in the liniment by three-fifths, and using in its place an equivalent quantity of soap as follows:—Dissolve the iodide in the water and glycerine, add this to the thin shavings of soap in a mortar, mix, then add the pine and lemon oils. No heat to be used.]

## Examination Test-prescriptions.

Subjoined are the prescriptions given in the last test-examination at the Metropolitan College of Pharmacy, which we reprint as a piece of practice for those who are preparing for the Minor examination. The time allowed was three hours, during which there had also to be made 1 oz. of ung. acid. boric. and 4 oz. of syr. ferri phosphat.:—

(1)

Balsam. copaib.	... 3iv.
Liquor. potass.	... 5ij.
Tinct. hyoscyam.	... 5iss.
Mucilag. tragacanth.	... 5iss.
Syrup. zingiber.	... 5ss.
Aq. dest. ad	... 5vj.

Misce fiat mistura

Sig.: Sumat cochlearia magna duo vel tria ex decocti avenæ quater die.

(2)

Creasot. ... gtt xx.

Fiant pilula x involvend pulv. cinnamom.

Sig.: Capiat unam ter quotidie tertiam partem horam post jentaculum et prandium.

(3)

Chrysarobin.	... gr. x.
Acid. salicylic.	... gr. xx.
Axungiae recent.	... gr. xxx.
Ceræ albae	... gr. xl.

Misce secundum artem ut fiat stylus duo pallices longum.

Sig.: Maculæ et palpebræ applicand.

(4)

Unguent. hydrarg.	... gr. v.
Pulv. opii	... gr. j.
Ol. theobromat.	... gr. xij.

Ut fiat suppositor. mitte vj.

Sig.: Unam omni vesperie utendum.

## MISCELLANEOUS INQUIRIES.

146/61. C. J.—Sucking-ealf.—Having tried all the nauseous drugs you mention, there is not much more to be done in this way to prevent the calves sucking each other. Sometimes the application of soft-soap has prevented it

when other means have failed. If this does not stop the practice, the only method is to separate them for a time until the habit has been lost.

149/46. J. G. J.—You will find a reference to the same matter in our Correspondence columns for June.

151/20. Dens.—Dental Hospitals in London do not as a rule admit pupils who have not had previous training in dentistry. Your best plan is to arrange with some dispensary where teeth are extracted. This is easily done in the provinces, but not so easy in London.

151/29. Carolus.—Weed-killer.—See page 712 of the volume just completed. The hydrochloric-acid solution is best.

149/19. Lotio.—Blækheads, or Aene.—Rub sulphur ointment into the skin every night, after washing the parts well in warm water (softened with washing-soda) with borax and sulphur-soap, lathering well. In the morning apply the following lotion:—

Solution of perchloride of mercury	5ij.
Eau de Cologne	... 5j.
Rectified spirit	... 5j.
Glycerine	... 5ss.
Water to	5vij.

Mix.

149/68. Dispenser.—Dose of Cantharides.—The B.P. dose is small. One to two grains in pill twice or thrice daily is quite safe, but liquid preparations produce less irritation.

150/20. F. S. writes:—"I am refitting my windows, and have had two carboys made similar to those to be seen in Paris, consisting of glass globes inverted and with the corked opening hidden by the support, and am somewhat doubtful as to whether any arrangement is necessary to permit of the expansion of the liquid from a rise of temperature. The globe is, of course, quite filled with liquid, and reckoning the capacity at 8 gallons, the difference between the expansion of the liquid and of the globe from 4° C. to 30° C. would be about 4 oz. I am told no provision is made in Paris beyond corking tightly and tying over with indiarubber, but should like confirmation or correction of the statement." [This is entirely a question of the strength of the globes. If there is no flaw in them, and if the glass is uniformly thick ( $\frac{1}{16}$  inch or so), they should stand all the pressure that they are subjected to.]

151/35. A. S. (N.S.W.).—The Liquid Glue which you refer to is made from fish-skins, and is preserved by the addition of salicylic acid or a similar preservative. You will find a good formula in the last volume of the *C. & D.*, page 51. (2) Copying-ink.—See page 711 of the last volume. Gum arabic may be used in place of sugar for copying-ink.

144/21. D. M. W.—It is the case that bees'-sting fluid contains formic acid; but we are not sufficiently up in entomological matters to confirm your statement that the proper use of the fluid is that the insect may use it as an antifermenent by dropping a little into each honey-cell before sealing it. Perhaps some subscriber may give the information.

143/47. G. J.—Thanks for your copy of prescription. We would have reproduced the original if it had been available.

145/65. Cordial.—Aletris Cordial is a proprietary preparation for which there is no official or unofficial formula, and we have none in our books.

145/8. Minor.—(1) We have no practical acquaintance with the preparation which you wish a formula for. (2) Musket's "Prescribing and Treatment in the Diseases of Infants and Young Children" (Pentland, 6s. 6d.) is a book which will suit you.

147/64. Sulphur.—No. The fact that carbon bisulphide does not extract the sulphur from true sulphides is one of the first things taught to chemical students.

148/10. *H. M. H.* (Norway).—The formula for syr. hypophos. co. on page 484 of our DIARY will give you the article you want. Quinine and strychnine are essential constituents.

147/52. *Glendower*.—To Give Eggs a Rich Brown Colour wash them and immerse all night in a solution of common salicylic acid 2 oz., and borax 1 lb., in 8 gallons of water. This solution preserves the eggs and gives the colour so much liked, while the colour does not come off as dyes are apt to do.

150/58. *Balneum*.—**Bath Tablets.**—The following is our formula:—

Concentrated crystal soda (B., M. & Co.)	...	...	...	...	3 <i>lb.</i>
Tartaric acid	...	...	...	...	5 <i>ss.</i>
Orris-root	...	...	...	...	3 <i>ss.</i>
Oil of lemon	...	...	...	...	3 <i>ss.</i>
Oil of orris (or ionone)	...	...	...	...	mv.
Oil of ylang-ylang	...	...	...	...	mv.

Mix the whole thoroughly, make into a stiff paste with strong spirit, and form into suitable-sized tablets, which dry.

The water-softening powders which you mention are concentrated crystal soda or crystal carbonate, coloured and perfumed. The addition of borax is really unnecessary.

148/25. *Melitensis* (Malta).—**Ext. Condurango Liquid.** is made from the drug in No. 40 powder, preferably by percolation, so as to avoid evaporating. If you cannot re-percolate, proceed as follows:—Take 20 oz. of the drug in No. 40 powder, moisten thoroughly with proof spirit, and introduce into a percolator, packing it lightly, but evenly. In four hours pour on proof spirit to the top of the solid, and allow to stand all night; then begin to percolate, and continue percolation until 16 oz. are obtained. Reserve this. Continue percolation with proof spirit until 12 oz. more has been obtained, evaporate this to 2 oz., which dissolve in the reserved 16 oz., and add 2 oz. of rectified spirit. After a day, filter.

147/29. *R. & Sons*.—The predominating flavour of the Sachet-powder is lavender. We make it to have a similar composition to the following:—

Rose-leaves	...	...	...	...	4 oz.
Lavender-flowers	...	...	...	...	4 oz.
Sandalwood	...	...	...	...	4 oz.
Vetivert	...	...	...	...	4 oz.
Oil of lavender	...	...	...	...	1 dr.

Mix.

147/66. *L. P. S. I.*—You will find full particulars of photographic requirements in *C. & D. DIARY*, 1896. Procure a handbook, such as "The Imperial Textbook of Photography," by E. J. Wall (1*s.*) You will find plenty of useful information to enable you to start your hobby.

147/68. *J. M.*—**Powder for Preserving Meat**, used by butchers. This is simply boric acid.

149/73. **White Hair.**—*Hirsute* sends a sample of a liquid used for "taking the yellow or faded appearance from white or grey hair, rendering it silvery-white without injury to the fibre." It is sold in 2-oz. bottles for 5*f.* The directions are: "Wash, rinse, and whilst wet pour a few drops of the liquid into a pint of tepid water, and apply freely, moistening thoroughly." It consists of a solution of methyl blue (30 gr. to a pint of water). Its purpose seems to be on the same principle as the laundry blue-bag.

149/53. *R. S.*—Your Brown-boot Polishing-paste has the following composition:—

Yellow wax	...	...	...	...	8 oz.
Spirit of turpentine	...	...	...	...	16 oz.
Resin	...	...	...	...	2 oz.
Oil of mirbane	...	...	...	...	1 dr.

Dissolve by aid of water-bath.

145/22. **Aneurism.**—The action of barium chloride on the heart resembles that of digitalis—*i.e.*, it is a heart-stimulant, steadies the rhythm, and increases the volume and force of the blood thrown out by the systole. Dose: gr. j. The dose of the iodides of rubidium and strontium is from 5 to 20 gr.

We cannot at present trace distinct references to their uses in aneurism of the aorta. Barium iodide is an old remedy used by Lugol, to whom chiefly is due the credit of introducing iodine and iodides into therapeutics. The dose is  $\frac{1}{2}$  gr. It has also been used externally as an ointment for scrofulous affections.

149/54. *Willow.*—The Faee-lotion for application after washing consists of—

Tr. benz. co.	...	...	...	...	5 <i>l.</i>
Glycerin.	...	...	...	...	5 <i>ij.</i>
Ess. opopanax	...	...	...	...	5 <i>ss.</i>
Sp. vini tenuior. ad	...	...	...	...	5 <i>x.</i>

M.

143/45. **Tepid.**—Your query is not explicit enough. Where can we find the "original mixture" so as to judge if the copy is correct?

144/19. *Rouge.*—The perfume of *Eau de Quinine* is generally hit off with a little Peruvian balsam and trace of coumarin.

144/61. *Ravenscroft.*—The **Pills for Pigeon-ailments** consist of powdered fenugreek and grains of paradise, massed with treacle, and divided into 5-gr. pills.

143/39. *H. J. O.*—(1) An ointment from fresh green leaves is best made by digesting them in heated lard until they become crisp (as in making *ung. sabinæ*). Mixing the respective liquid extracts with a fatty basis would be the best means of using "the inner bark of a tree and root of a herb" in form of an ointment. (2) The "Botanic Pharmacopœia," by J. G. Hatfield, published by Potter & Clarke (2*s. 6d.*), would probably suit you.

150/50. *Antipyrine.*—The sample of **Powder used to Stop Bleeding** after the "ceremony" of circumcision consists of boric acid, starch-powder, and kieselguhr, in about equal parts.

147/59. **White Oils.**—Formalin will suit your purpose for **Preserving Bottled Eggs** (in liquid form) for six or twelve months if only required for white oils.

150/3. *Magic Powders.*—Your **Headache-powders** consist of 4 gr. of acetanilide. It is safe if used cautiously. Antipyrin and phenacetin are safer.

## INFORMATION WANTED.

*The Editor will be obliged for replies to the following from any who can furnish the information.*

151/45. Address of cheap tin-bottle makers.

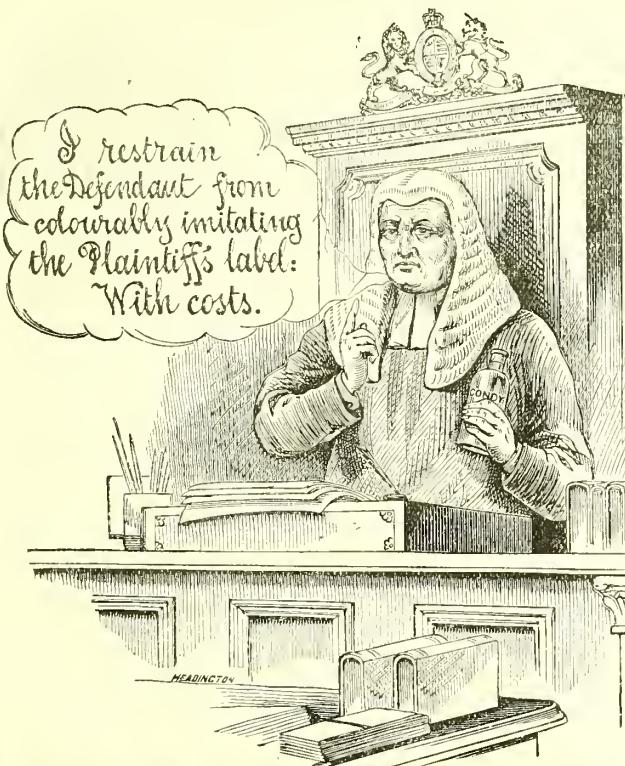
151/63. Who are the makers of or agents for formolose?

153/5. Makers of artificial bees suitable for a window-display.

151/43. An old subscriber, whose premises are much infested by mice, would be obliged if any other subscriber who has experience of a good trap would communicate with us.

**STICKY FLY-PAPERS** make excellent mouse-traps, says an American contemporary. Lay a sheet of it in front of the hole from which the mice emerge, and it will hold them fast until you capture them. The same paper can be used again and again. This is better than poisoning them.

**THE ART OF WINDOW-DRESSING** is given in five heads by Mr. E. R. Robinson, a Toronto chemist:—(1) Put one article or class of articles in at a time. (2) Arrange carefully to set each article off to the best advantage. (3) Alter the dressing every week or two weeks at the outside. (4) Always put a price-card, which should be in plain, block type. A window without a price-card will sell one article; with it it will sell a dozen. (5) See that the exhibit is seasonable.



# CONDY'S FLUID

COLOURABLE  
IMITATIONS.

## Eleven Injunctions

With damages and costs have been obtained

against Chemists selling a

LIQUID NOT MANUFACTURED BY  
CONDY & MITCHELL  
IN EXECUTION OF ORDERS FOR  
"CONDY'S FLUID."

CONDY & MITCHELL, Ltd., 67 Turnmill St., E.C.

"ORIGINAL"  
GRANULAR  
EFFERVESCENT  
PREPARATIONS.



# BISHOP'S

## CITRATE OF MAGNESIA (BEST).

In bulk, 1/7 per lb.; per cwt., 1/6 per lb. subject.

## CITRATE OF MAGNESIA (SECOND QUALITY).

28-lb. Tins, 30/- nett; 56-lb. Tins, 56/- nett. Tins included. Also in  $\frac{1}{4}$ -lb.,  $\frac{1}{2}$ -lb., and 1-lb. Bottles. This is an exceptionally reliable article, and much superior to that usually offered to the trade at the price.

## EFFERVESCENT SALINE

EITHER IN POWDER  
OR FINE GRANULES.

28-lb. Tins, 30/-; 56-lb. Tins, 56/- nett. Tins included. Also in 6-oz. and 8-oz. Bottles.

We desire specially to inform the trade that we are now putting up only Two proprietary sizes instead of Three as hitherto, and that the Retail Prices are in all cases printed on the label.

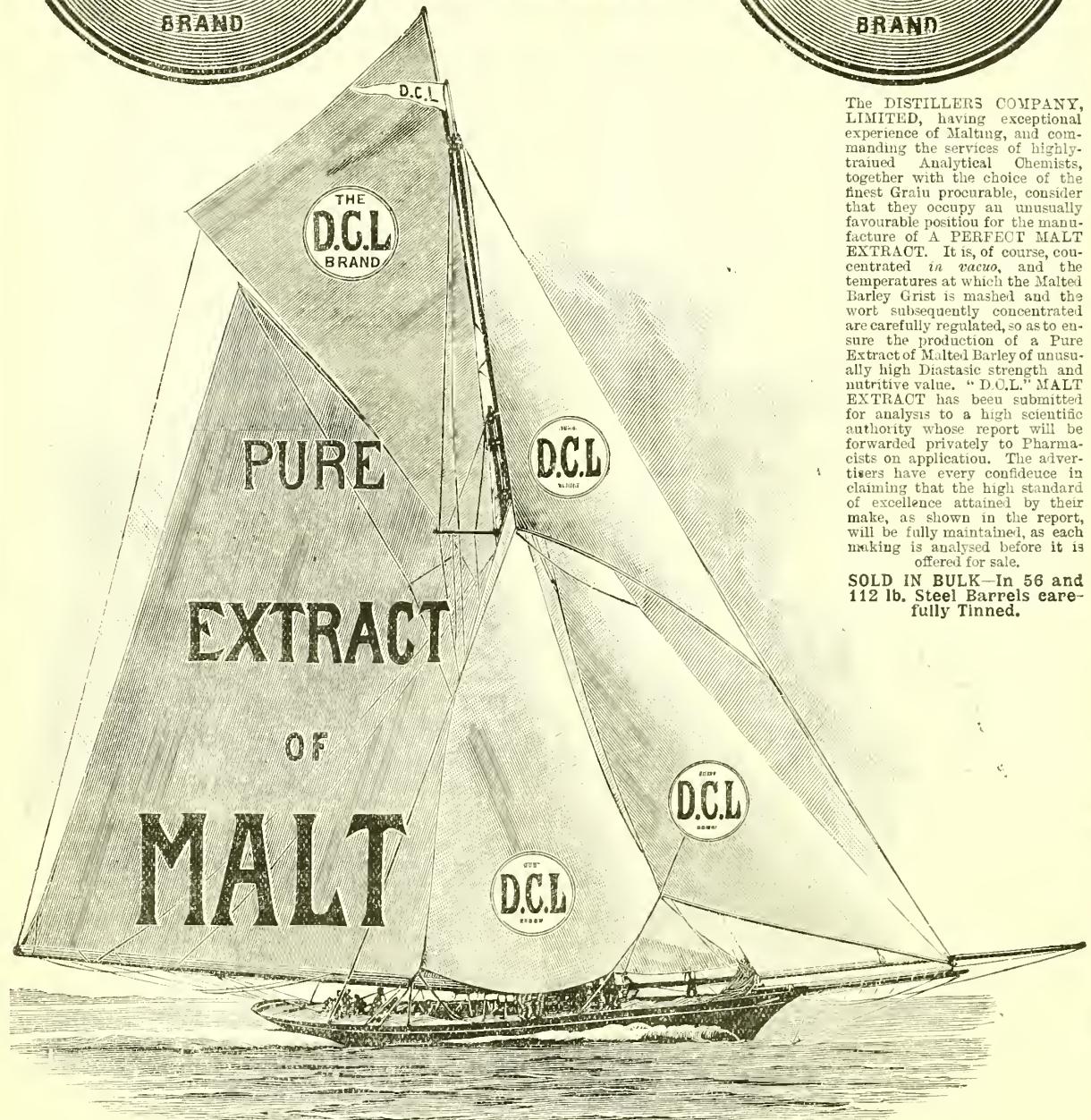
There are also some alterations in prices, which are shown in our New Price List.

SAMPLES AND PRICE LISTS FREE ON APPLICATION.

ALFRED BISHOP & SONS, LTD., Specks Fields, 48 Spelman St., LONDON, E.



A PERFECT  
MALT  
EXTRACT



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Chloride of Sodium	—	—	—	—	—	·035
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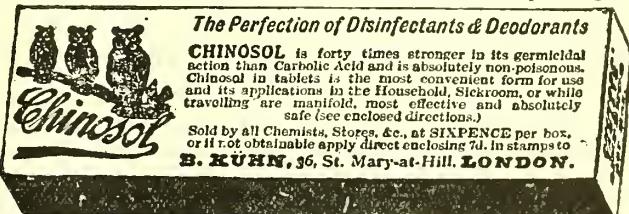
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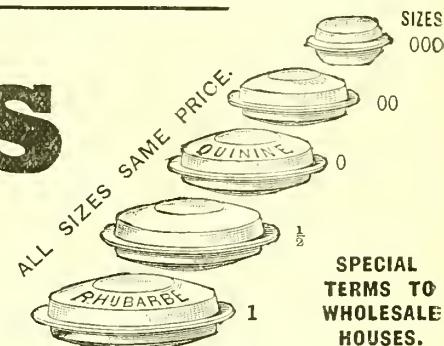
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## Essential Oils of Guaranteed Purity.

## Chemists' Specialities.

## BLACKWELL, HAYES & SPILSBURY.

Manufacturing, Pharmaceutical, and Analytical Chemists.

## READ THE FOLLOWING LETTERS They Speak for Themselves.

Newcastle, March 8, 1897.

GENTLEMEN,—I notice your Ad. in the *C. & D.* for Saturday last. Please send me a copy of your Price-list, &c. With reference to your offer regarding the saving you can give the trade, if your list is satisfactory I will give you an opportunity of verifying the same.

Yours truly,

Newcastle, March 11, 1897.

GENTLEMEN,—Your Price-list and Samples to hand. I must honestly confess your prices are really an eye-opener; if the goods are as satisfactory in quality as in price, I shall be pleased to do a good trade with you. Please send on the enclosed trial order at your earliest convenience, and oblige,

Yours truly,

Newcastle, March 27, 1897.

GENTLEMEN,—I reply to yours, I have pleasure in stating that I am perfectly satisfied with the goods I have received; the quality is quite equal to what I have previously had (and I have always been particular in buying the best of everything), and you are quite within bounds in stating that your prices are from 25% to 50% below the usual charges. If you continue to give the same satisfaction, I shall give you my entire trade in the lines you carry, which, though perhaps not a very big item with the retail chemist, your offer to pay carriage on small lots makes it worth any chemist's while to remember you for these goods. Nowadays, when there is so much competition to meet, one must watch the buying end closely, as you state in your Ad.

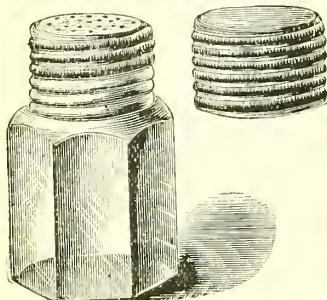
I am, Gentlemen, yours truly,

## This is the Grist of over 100 Letters we have lately received.

Send your Name and Address, and we will put you in a position to say the same.

**BROOK, PARKER & CO.,** WHOLESALE  
DRUGGISTS,  
**BRADFORD.**

BENTLEY'S PATENT  
**POWDER DREDGERS**



FOR  
**IODOFORM**

Foot Powder,  
Boot Powder, &c.  
Price from 2s 6d per doz.

E. BENTLEY & SON,  
Bath Street,  
City Road,  
**LONDON.**

**POTASS. CYANIDE**

(From 30% to 98%).

YELLOW PRUSSIATE OF POTASH,

Nitrate of Silver, Chloride of Gold,  
AND OTHER

**CHEMICALS**

FOR PHARMACEUTICAL, PHOTOGRAPHIC, AND  
TECHNICAL PURPOSES.

FREDK. BOEHM, 16 Jewry Street, **LONDON.**

AGENT FOR THE

Deutsche Gold-und Silber-Scheide Anstalt, Frankfurt a/M

**SCOTTISH ACID & ALKALI CO.**

(LIMITED).

Mr. R. H. STEEDMAN, Managing Director.

MANUFACTURERS OF

**RESUBLIMED IODINE,**

PURE IODIDES of POTASSIUM & SODIUM,

**IODOFORM,**

**Commercial Sulphuric Acid.**

Registered Office—82 W. REGENT STREET, GLASGOW.  
Works—Longford Chemical Works, KILWINNING,  
AYRSHIRE.

Sole Agents—KIRKPATRICK, BARR & GUTHRIE, 4 Cullum  
Street, LONDON, E.C.

Special Quotations on application.

**FORMALDEHYDE.**

*Original Make.*

SOLE AGENTS FOR THE UNITED KINGDOM—

**J. NORRENBERG & CO.**  
CANNON STREET BUILDINGS,  
139 CANNON STREET, LONDON, E.C.

MANCHESTER DEPOT—

**D. LAWTON & CO.**  
TREVELYAN BUILDINGS,  
52 CORPORATION STREET, MANCHESTER

**MAGNESIA**

CARBONATE, CALCINED, AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 17 Great Tower St., London, E.C.

**BARRON, HARVEYS & CO.**

WHOLESALE AND EXPORT DRUGGISTS,

**GILTSPUR STREET, LONDON, E.C.**

Beg to inform their friends and the Trade generally that, being Sole Proprietors of the Business of

**BARRON, SQUIRE & CO., BUSH LANE,**  
and also the various Formulae of the Special Preparations of

**JAMES BASS & SONS, HATTON GARDEN,**  
they are prepared to execute orders for the same, and pledge themselves to supply them in all their integrity.

SPECIMENS OF THESE PREPARATIONS have REMAINED in the MUSEUM of KEW GARDENS during 28 YEARS  
WITHOUT DETERIORATION.

**“SWEET” PEARL COATED PILLS.**  
**TINCTURES, ETC., IN BOND.**

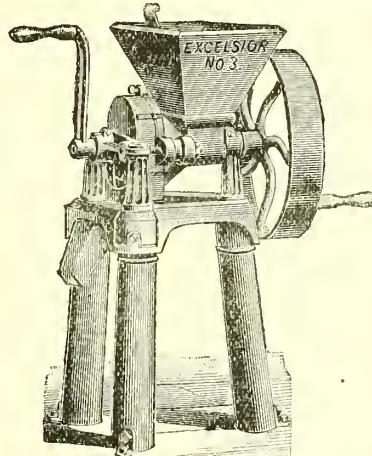
# A NEW MILL, THE "EXCELSIOR."

MADE IN THREE SIZES, FOR HAND OR POWER.

Suitable for Grinding

Wet or Dry Corn, Coffee, Cocoa, Spices, Drugs, Roots, Seeds, Herbs, Barks, Rock Salt, or similar substances.

Simple. Cheap.  
Durable and Efficient.



Send for Price List.  
All Sizes in Stock.

**BENNETT, SONS & SHEARS, LIMITED**

Engineers and Coppersmiths,

167 Kingsland Road, LONDON, N.E.

ESTABLISHED 100 YEARS.

Telegrams—"COPPERSMITHS LONDON." Telephone 59.095 Dalston.

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ABSORBENT  
COTTON LINTS,  
FLAX LINTS,  
ROLL BANDAGES,  
COTTON WOOLS.

MANUFACTURED BY

**ROBINSON & SONS,** COTTON SPINNERS, WEAVERS,  
AND BLEACHERS, **Wheat Bridge Mills, CHESTERFIELD,**  
LIMITED.

And 55 Fann Street, Aldersgate Street, LONDON, E.C.



# DRESSINGS.

"GAMGEE TISSUE  
(Patent Absorbent Gauze and Cotton Wool)

AND  
All kinds of  
ANTISEPTIC  
DRESSINGS.

# THE ASSOCIATION FOR THE SUPPLY OF PURE VACCINE LYMPH

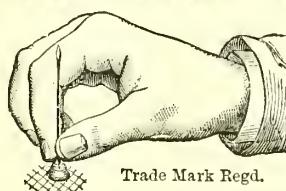
(ESTABLISHED 1877),

12 PALL MALL EAST,  
LONDON, S.W.

## CALF AND HUMAN.

All Antiseptic Precautions most carefully observed. PIN-POINTS GRATIS WITH VACCINE WHEN REQUESTED.

**CALF**, Tubes, 2/-; Half-Tube, or two S.V. tubes, 1/-. **HUMAN**, from healthy children only, microscopically examined and source quoted. Tubes, two-thirds full, 1/8 each; one-third full, 1/- each. Tubes, two-thirds full (in every respect equal to those mentioned above, but without source), in quantities for export, £5 per 100.



Trade Mark Regd.

**PURE & RELIABLE.**

Telegraphic Address—

"DARQUE LONDON."

Office Hours—

10 till 4 Saturday, 10 till 2.

Sole Agents for **DR. WARLONTON'S CALF VACCINE.** For price see Calf Vaccine above.

P.O.O. (including postage, and crossed London and Westminster Bank), with orders payable to **EDWARD DARKE, Sec.**

# DISPENSING BOTTLES.

THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain

or graduated—

3 & 4 oz. ... 7/6 per gross. | 10 & 12 oz. ... 12/- per gross.

5 ... 8 ... 8/6 " | 16 ... 16/- "

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

1 oz. ... 3/6 per gross. | 1 1/2 oz. ... 4/6 per gross.

2 ... 3/9 " | 2 ... 5/- "

## PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

I. ISAACS & CO., Glass Bottle Manufacturers,  
106 MIDLAND ROAD, ST. PANCRAS, LONDON.

Established 50 years.

Bankers—London and Westminster Bank.

# SPONGE IMPORTERS.

**M. PETERSON & CO.**  
6 HOUNDSITCH, LONDON.

FOR HOME FOREIGN. & COLONIAL MARKETS.

# BUYERS' GUIDE,

See pages 11-13.

DO YOU  
WANT MONEY ?

Half-Penny **MENE TOWEL** for Ladies.

**ANTISEPTIC.**

**ABSORBENT.**

**COMFORTABLE.**

**MENE TOWELS** are far superior to any other Towel.

**MENE TOWELS** are Antiseptic and perfectly Pure.

**MENE TOWELS** are manufactured in England.

**MENE TOWELS** last twice as long as any penny Towel.



**PRICES.**

No. 1, **4/9**, to retail at **6/-** per gross.

No. 2, **9/-** " " **12/-** "

No. 3, **12/-** " " **18/-** "

**MENE TOWELS** will prevent Linen being soiled, a great gain.

**MENE TOWELS** are the most comfortable yet introduced.

**MENE TOWELS** once used always used.

**MENE TOWELS** are selling wonderfully all over the Kingdom.

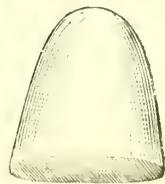
**WHOLESALE AGENTS :**

BARCLAY & SONS, Limited, 95 Farrington Street, E.C.  
BENTLEY & SON, 61 Bath Street, City Road, E.C.  
BURGOYNE, BURBIDGES & CO., 12-16 Coleman Street, E.C.  
BUTLER & CRISPE, 82 Clerkenwell Road, E.C.  
HOVENDEN & SONS, 91-95 City Road, E.C.  
HOVENDEN & SONS, Berners Street, W.  
MACE & HALDANE, 94 Milton Street, E.C.  
MAY, ROBERTS & CO., 9 Clerkenwell Road, E.C.

SUTTON & CO., 76 Chiswell Street, E.C.  
E. WIMPORY & CO., 21 Finsbury Pavement, London, E.C.  
THE MENE TOWEL CO., 43 Barbican, E.C.  
FRANCIS NEWBERRY & SONS, 1 & 3 King Edward Street,  
Newgate Street, London, E.C.  
Agents for South Africa: B. G. LENNON & CO., and THE  
NATAL DRUG CO.

# RENDELL'S

## "WIFE'S FRIEND" SOLUBLE QUININE PESSARIES.



### IMPORTANT NOTICE AND CAUTION

Several Injunctions in the High Court of Justice having already been obtained against "Infringers" (reports of which have appeared in "The Chemist and Druggist," the most recent being in issue of April 24, 1897), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof, in connection with Pessaries *not* manufactured by

**W. J. RENDELL,**

Inventor and Sole Maker of the "WIFE'S FRIEND" SOLUBLE PESSARY,

15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

See that the Registered Trade Mark and Number (but in red ink) are upon each box thus:—

Registered  
Trade Mark  
without which  
none are genuine.  
No. 182,688.

*W. J. Rendell*

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

# SHEEP DIPS.

For "Information Wanted,"  
WRITE TO B. B. HARESCEUGH & CO., \* Wellington St., LEEDS,

Who supply Chemists with any of the following preparations packed in their own name:—

Arsenical Powder Dip; Arsenical Paste Dip; Non-Poisonous Paste Dip and Fluid Dip; Horse and Cattle Washes; Paste and Fluid; Maggot Lotion; Mange Liniment; Dog Soap; Carboilic Powder; Carboilic Acid; Carboilic Soft Soap.

DISINFECTANTS, BOTH POWDERS AND FLUIDS, IN BULK.

PRICES ON APPLICATION.

ESTABLISHED 1860.

# ESCHMANN BROS. & WALSH.

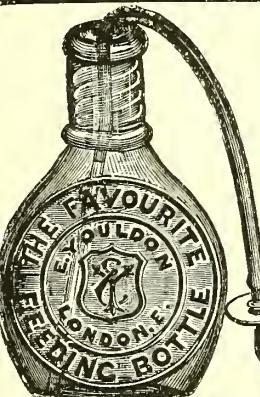
Inventors and Manufacturers of the

## SOFT SILK FLEXIBLE CATHETER, GUARANTEED WITH WOVEN EYES.

To be had of all Surgical  
Instrument Makers  
and Wholesale Houses.



To be had of all Surgical  
Instrument Makers  
and Wholesale Houses.



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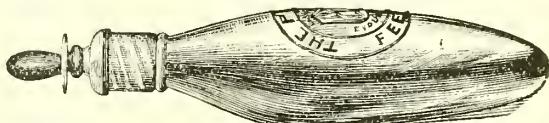
OF THE BEST MANUFACTURE.

## PRICES REDUCED.

These are fitted with BEST QUALITY RUBBER ONLY, and are thoroughly Reliable.

TRY THEM. THEY SELL WELL.

A Trial Order  
Solicited.

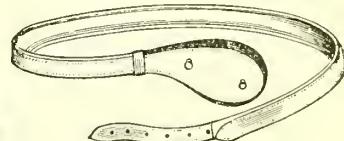
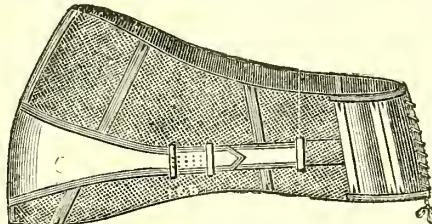
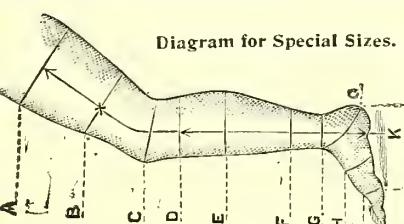


**E. YOULDON** (Established 1840), 86, 88, & 40 Great Garden Street, LONDON, E.

# Powell & Barstow, Ltd., 58 Blackfriars Road, S.E.

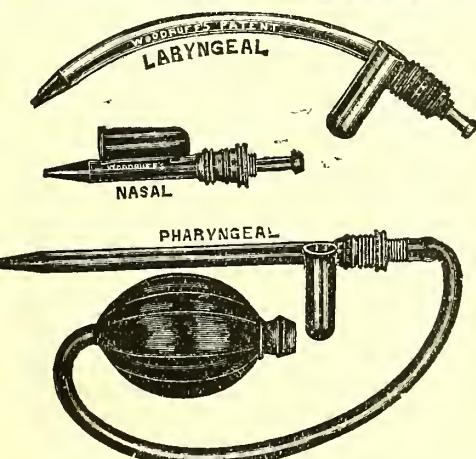
(Late W. Hurlstone & Co. Established 1830),

Makers on the premises of every description of Elastic Gum Surgical Instruments, Elastic Stockings, &c.



Chest Protectors, Eye Shades, Respirators, Indiarubber Goods, Pessaries, Bath Gloves, Hot Water Bottles, Sponge Bags, Catheters, Bougies, Specula, Artificial Limbs, &c., &c.

Male and Female Attendants for Special Orders. Measurement forms free. Detailed Price Lists on application.



# THE NEW CELLULOID SPRAY PRODUCER

(Woodruff's Patent).

An ideal apparatus for the administration and accurate use of Medicated Liquids or Solutions in minute quantities. The three forms shown are constructed so as to allow of the direct action of the Spray on the Larynx, Pharynx, and Mucous Membrane of the Nasal Cavity.

### NETT TRADE PRICES:

LARYNGEAL, complete, 60/- doz. Retail 6/- each.  
PHARYNGEAL " 54/- " " 6/- "  
NASAL " 50/- " " 5/6 "

Spare Mounts, Bellows, and Pipettes are also supplied.

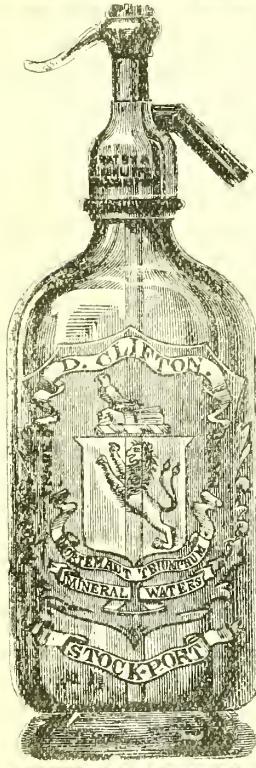
### WHOLESALE AGENTS:

London, South of England, &c. Messrs. H. GILBERTSON & SONS, Holborn  
and the Colonies . . . . . Circus, LONDON, E.C.  
Manchester and North of England . . . . . Messrs. J. WOOLLEY, SONS & CO., Limited,  
MANCHESTER.  
Scotland . . . . . Messrs. J. GARDNER & SON, 32 Forrest Road,  
EDINBURGH, & 280 Sauchiehall St., GLASGOW.

Further Particulars may be obtained on application to the Patentee—

**T. WOODRUFF, PHARMACEUTICAL CHEMIST, Withington, MANCHESTER.**

# SYPHONS SELTZOGENES



Messrs. J. BARRE JOHNSTONE & CO., 20 Loftus Street, Sydney, N.S.W., Agents for New South Wales, Queensland, and New Zealand.  
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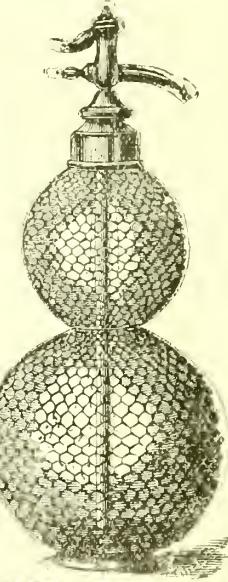
**SODAWATER MACHINERY**  
 AND APPLIANCES  
**BRATBY & HINCHLIFFE LTD.**  
 ANCOATS 146 MINORIES  
**MANCHESTER, LONDON.**  
 81 ROBERTSON STREET, GLASGOW.

PRICES.  
**SYPHONS** ... 16, 1/8, and 1/10 each.

**SELTZOGENES.**  
 1 2 3 4 5 8 pint.  
 6/- 6/8 7/6 8/6 10/5 16/- each.  
 Including two funnels and stopper for charging.

The tops of these Seltzogenes are made of pure block tin, guaranteed.  
 A copy of our Book of Instructions for the manufacture of Aerated Beverages will be presented to purchasers.

All our Seltzogenes are manufactured on the well-known "Fevre" System, and each one is thoroughly tested before leaving the works.



## A. MILLAR & CO., LTD., DUBLIN. PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopoeia.



A COMPLETE APPARATUS,  
 CAPABLE OF PRODUCING

OVER

**300 DOZ. BOTTLES**

of Aerated Water per day,  
 at a minimum of cost,  
 from

**£20.**

**NO DANGER.** **NO MESS.**  
**SODA-WATER MACHINERY**  
 AND ALL APPLIANCES FOR THE TRADE.  
 BOTTLES, SYPHONS, FOR THE TRADE.  
 Write for ILLUSTRATED CATALOGUE,  
 Post Free upon Application.

**BARNETT & FOSTER**

NIAGARA WORKS,

26<sup>th</sup> EAGLE WHARF ROAD, LONDON, N.

9 Gold Medals. 44 Highest Awards.



ESTABLISHED HALF A CENTURY.  
PRIZE MEDALS AWARDED AT ALL THE EXHIBITIONS.

SUPPORT ENGLISH MANUFACTURE.

**EUGENE CÉRAUT & CO.'S LATEST  
NEW PATENT SELTZOGENE**

The Best Seltzogene Extant & Warranted.

Wear and Working Guaranteed. No more  
Screwing required. Tap cannot get corroded.

**CREAT REDUCTION IN PRICE.**

Patent Wire.	Cane.
3-Pint..11/-.....	12/-
5-Pint..14/9.....	15/9
8-Pint..22/6.....	25/-

Large Discounts allowed  
off for quantities.

*Illustrations of various sizes of Seltzogenes and Syphons.*

**SYPHONS.**

Best English Block Tin Tops  
and Ebonite Fittings, from  
18 - per dozen.

HEADS of guaranteed quality.

VASES—Best Crystal and  
Colours.

PRICES ON APPLICATION.

CONTRACTORS TO HER MAJESTY'S GOVERNMENT.

The Premier Manufacturers in the United Kingdom.

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**OUR NEW PATENT CLINCHER**

Does away with Corroded Screw, JAMMED TAP, BENT SPOUT, and  
substitutes A PERFECT and EASY WORKING SELTZOGENE. Every  
Chemist should see this Machine before ordering his Stock of

**SELTZOGENES.**

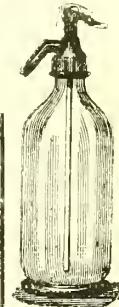
**EIGHT HIGHEST AWARDS FOR SYPHONS OF ENGLISH MAKE.**

The HEADS are of the PUREST Block TIN, Burnished, Nickelled, Silver-plated.  
The VASES are the strongest, of Finest Crystal or in Colours. Engraved with any design or lettering, in  
all sizes, from 18 to 50 oz.

Our Patent PORCELAIN-LINED SYPHON is the Ideal Syphon for a high-class trade.—  
*Vide LANCET and other Journals.*

*Write for Prices and full particulars to*

**THE BRITISH SYPHON MANF'G CO., 2 Gresham Buildings, Guildhall, LONDON.**



**PURE LIQUEFIED**

**LEA  
BRIDGE  
ROAD,  
LONDON,  
N.E.**



**The Carbonic  
Acid Gas Co.**

**Acid  
Carbonic  
Gas.**

**MANCHESTER : Pollard St. East, Ancoats.**

# IDRIS ROYAL TABLE WATERS

*Are made by Chemists for Chemists.*

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## Chemists

should remember that Idris & Co. do **not** supply Grocers, Stores, or Private Customers.

## Idris & Co.

make their own Syphons, and guarantee absolute purity of all materials employed. Metallic contamination is an impossibility.

## Chemists

will find Idris Royal Table Waters a valuable leading line, which, unlike leading lines in general, bear a substantial profit—and attract customers.

## Idris & Co.

give their customers every assistance in increasing their sales, by means of handsome Advertisement Tablets, Circulars, and Samples to Medical Men.

## Chemists

not already selling these well-known Waters should apply for Samples and Price Lists.

## Idris & Co.

are the largest Syphon Fillers in the World.

## Chemists

are invited to inspect Idris & Co.'s Factories.

## Idris & Co.

have taken one of the largest spaces at the forthcoming Chemists' Exhibition, to be held at the Covent Garden Theatre in August next.

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**IDRIS & CO., LTD.**

CAMDEN TOWN, LONDON; & SOUTHAMPTON.

# C.A.M.W.A.L.'S

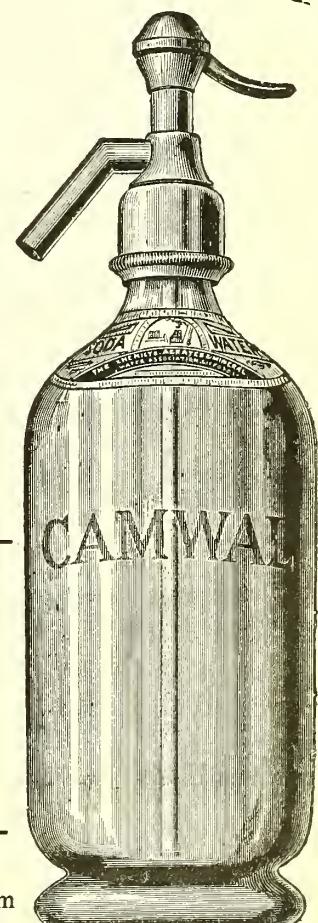
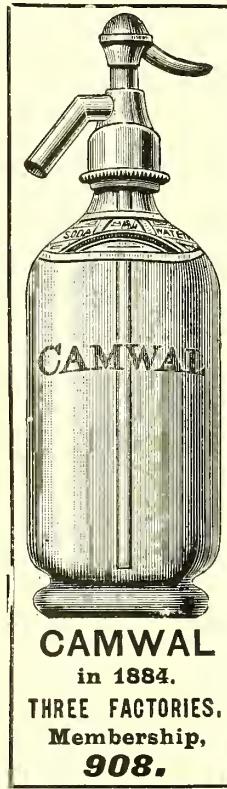
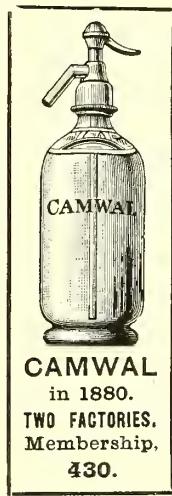
## FINE RECORD OF

### STEADY & PROGRESSIVE GROWTH

achieved by supplying One Quality of Goods only—the Best;  
by studying and meeting the requirements of the Trade;  
and by carefully looking after minutiae and detail.

#### CAMWAL TABLE WATERS

*are supplied to Chemists  
and Hospitals  
only.*



**CAMWAL in 1897.**  
**SIX FACTORIES**

(including two in course of erection at Manchester & Birmingham).

Membership over **4,000!**

**CAMWAL'S FACTORIES**

{ London, Harrogate,  
Bristol, Mitcham,  
Manchester, & Birmingham

Head Office : Gifford Street, Caledonian Road, London, N.

# “Hall’s Wine”

## Window Show

### Competition.

#### **£325 IN PRIZES.**

First Prize	-	£30		5 Prizes of £5 each
Second „	-	£20		20 „ £2 „
Third „	-	£10		100 „ £1 „

200 Consolation Prizes of 10s.

A number of our customers having requested us to have another Window Show Competition, we have pleasure to announce that we offer £325, divided into 327 prizes, as above. The experience of our first competition in 1895 has led us to slightly alter our conditions.

We shall send the same number of dummies and showards to **every competitor**, and the prizes will be awarded to those who show the greatest artistic taste in their arrangement.

In the previous competition Mr. R. LEITHHEAD, West Hartlepool, gained Second Prize with three dozen dummies; this number, therefore, will be sent to each competitor.

#### **CONDITIONS.**

Only retailers who stock “Hall’s Wine” and have signed our non-cutting agreement can compete. Competitors may use advertising matter other than that supplied by us.

The Judges will be the Staff of *Tit Bits* assisted by Sir GEORGE NEWNES, Bart., whose decision will be final, and the prizes will be awarded in strict accordance with artistic merit.

The proprietors will forward the dummies carriage paid.

The Competition commences on August 23rd, 1897, and the window must remain dressed until September 6th, 1897.

Each competitor must forward a photo of his window, at his own expense, on the back of which his name must appear.

Applications for dummies, &c., must reach us not later than July 31st, 1897.

**STEPHEN SMITH & CO. (LIM.),**  
Proprietors of “Hall’s Wine.”

*Malmesbury Road, Bow,  
London, E.*

# MARIANI WINE

MINIMUM RETAIL PRICE,  $\frac{1}{2}$  doz. Bots. for **20/-**, or **3/6** per single Bottle.

In original cases of 6 dozen, **£10 4s. Od.** net cash,  
with 3 per cent. discount off 6 case lots.

# SANTAL MIDY.

MINIMUM RETAIL PRICE, **3/6** per Bottle.

MINIMUM WHOLESALE PRICE, **33/-** per dozen or part of dozen.  
In 12 dozen lots, **£18** net cash.

WILCOX & CO., 83 Mortimer Street, LONDON, W.

GABRIEL JOZEAU, 49 Haymarket, LONDON, S.W.

## ADAMS'S EXTRACT FOR HERB BEER

QUALITY AND FLAVOUR UNIQUE.

Certificate of Analysis from GRANVILLE H. SHARPE, F.C.S.

I have submitted to a very careful analysis a sample of ADAMS'S EXTRACT OF HERBS and find it be a highly concentrated preparation composed of judiciously selected herbs in combination with hops, and in the manufacture of which much skill and scientific judgment have been exercised.

It contains in an admirable and attractive form valuable tonic, stomachic, and dietetic properties, and there is an entire absence of undesirable admixture in any form.

It should prove a valuable acquisition in the world of non-intoxicating drinks, as when used according to directions it produces a beverage of high merit, refreshing and palatable to the taste and wholesome and invigorating to the system.

PROPRIETOR—  
**B. ADAMS, MANSFIELD**

When applying for quotations please state approximate requirements in Bulk or Packed.



AND OTHER  
AERATED TABLE WATERS.  
**W. A. ROSS & SONS, LTD.**  
**BELFAST.**

# ROBINSON'S ORIGINAL CONCENTRATED WATERS.

ESTABLISHED 1855.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Cono. (U.S.)	4/- per lb.	Aqua Cassiae Cono.	4/- per lb.	Aqua Menth. Virid. Cono.	4/- per lb.
" Anethi, Concent.	4/- "	" Flor. Aurant.	8/8 "	" Pimentæ "	4/- "
" Anisi	4/- "	" Sambuci Cono.	8/8 "	" Pulegi	4/- "
" Camphoræ "	4/- "	" Ponolouli Cono.	4/- "	" Rosmarini	4/- "
" Carui	4/- "	" Menth. Pip. Cono.	4/- "	" Rose	8/8 "
" Cinnam. Ver. Cono.	6/- "	" Ang. Cono.	6/- "	" Virgin.	10/12 "

The above may be had in  $\frac{1}{2}$ -lb. or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine.

## SUPERIOR ORANGE WINE (Vin. Aurantii, B.P.).

Samples of any of the above sent free on application from  
R. ROBINSON, Distiller and Brewer of British Wines, Church Street, PENDLETON, MANCHESTER.

## SYMONS & CO.'S Devonshire Cyder & Wines

*Specially prepared for the Home & Export Trades.*

BOTTLING AGENTS AND THE TRADE SUPPLIED ON LIBERAL TERMS.

### CYDER IN WOOD.

	Per Gall.
Imperial Cyder (Specially prepared)	1 9
Apple and Blossom Cyder	1 6
Champagne Cyder	1 4
Sweet Draught	1 3
Medium Draught	1 3
Superior Dry Draught	1 2
Symonia (Non-Alcoholic)	1 0
Sydrina (Non-Alcoholic)	1 0

Casks charged and allowed for if returned within two months, in good condition, to same address as sent from, and advised by post.

### Terms, Delivery, &c.

A Discount of 2½% will be allowed for Cash with Order. Accounts sent out Monthly.

Cyder, Perry, Symonia, and Sydrina are sent out in Cases containing 3-dozen Quarts, or 4-dozen Pints, and Casks of 14, 20, 30, 40, 60, and 116 Gallons.

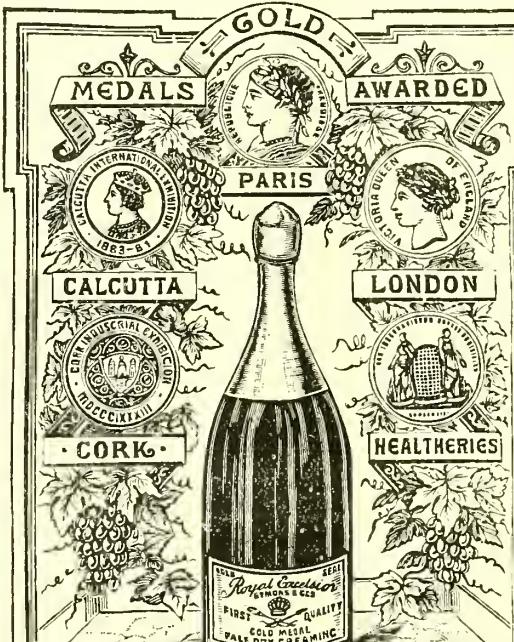
Symonia and Sydrina in  $\frac{1}{2}$ -pints, Cases of 6 dozen.

Sparkling Wines, 1 dozen Large, or  $\frac{1}{2}$  dozen Half-Bottles.

Prices include Bottles, but Cases are charged 1/6 per dozen extra, and allowed for if returned Carriage Paid, in good condition, within one month.

Carriage Paid to any Railway Station in England and Wales.

TRADE DISCOUNTS ON APPLICATION.



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TOTNES & DEVON.  
& RATCHCLIFF, LONDON E.

### CYDER AND WINES IN BOTTLE.

Bottles Free, and Carriage Paid. Per Doz. Bottles

Imperial Cyder - - - 10 0 (Extra Dry). Gold Foil.

Apple and Blossom Cyder - 7 6 (Sweet or Dry). Silver Foil.

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Symonia (Non-Alcoholic)  $\frac{1}{2}$ -Pts. 3 0

Sydrina (Non-Alcoholic) do. 3 0

Imperial Perry - - - 10 6  $\frac{1}{2}$ -extra per Two Dozen Half-Bottles.

### "ROYAL EXCELSIOR" SPARKLING WINES.

Pale Dry Creaming - - - 21 0 (Champagne Style).

Devonshire Chablis - - - 15 0

Devonshire Hock - - - 15 0

Devonshire Moselle - - - 24 0 (English Rhine Brand).

3/- extra per Two Dozen Half-Bottles.

Symonia and Sydrina are the best Temperance Drinks of the day, and may be sold by Chemists.

Our Local Bottling Agents can often reduce prices in Bottle by importing in Wood, thus saving the extra Carriage, &c.

### Instructions for Storing, &c.

On receipt of the case of Cyder, unpack, and stand the bottles in an upright position in a cool cellar of from 50 to 55 degrees temperature, to settle down, and return empty cases to us; or, if wanted for immediate use, in a temperature of 60 degrees, when it will get into condition, and will come out an effervescent, delicious drink, healthful and invigorating without being heady. If a dry Cyder is required, keep twelve months or more in bottle. Wines must be laid down.

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Known, after 25 years' test in the United Kingdom, as the most popular, safest, and best Natural Aperient Water, is now being supplied through the Distributing Wholesale Houses all over Great Britain and Ireland, at prices fixed by the Proprietor, Mr. Andreas Saxlehner, of Budapest, Hungary, which are as follows:—

Per Case of 25 large bottles,	<b>22/6</b>	.....	Per dozen,	<b>12/-</b>
" "	<b>50</b> small	"	<b>35/-</b>	..... "
" "	<b>25</b> large	"	<b>21/-</b>	"
" "	<b>50</b> small	"	<b>32/-</b>	Per 10-case lots.

For net cash.

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(REGISTERED)

The Mineral Water of the Day.

— THE ONLY —  
AMERICAN NATURAL MINERAL WATER

ON THE MARKET.

Springs: GENEVA, NEW YORK.

— CURES AND PREVENTS —

Gout, Rheumatism, Eczema,  
AND  
Uric Acid Troubles.

A DELIGHTFUL TABLE WATER

At HOTELS, CHEMISTS, STORES, or  
DEPOT: 10a GREEN STREET,  
LEICESTER SQUARE, LONDON, W.C.  
PAMPHLET FREE.

A Pleasant Beverage, superior to all other English and German Mineral Waters. It mollifies and qualifies all spirits; mixes well with wines. Relieves Alcoholic Thirst without depressing the system.

It is a Urate Solvent, and prevents fermentation of food.

One bottle taken every morning on an empty stomach stimulates the Liver, Kidneys, and Skin to healthy action.

Recommended by Medical Men for Sluggish Liver, Gout, Rheumatism, Kidney Complaints, Lumbago, and Sickness.

All who have tried it are delighted with SALLYCO as a Beverage and Remedy.

Retail Price, 5/- doz. on rail.  
Wholesale, 36/- per gross, Carriage Paid.

WANTED, Aerated Water Manufacturers all over the world (everywhere 100 miles from London) to bottle SALLYCO on special and advantageous terms.

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CONCENTRATED  
**PEPTONISED COCOA AND MILK**  
 AND  
**CONCENTRATED PEPTONISED MILK.**

These two preparations are made with pure rich PRE-DIGESTED Country Milk, and, by mere dilution with hot water, afford a delicious restorative beverage, the assimilation of which requires no digestive effort.

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 Tins, 2/6. Half-tins (samples), 1/6. Obtainable Everywhere.

*van Houten's Cocoa*

The "BRITISH MEDICAL JOURNAL" says:—  
 "It is admirable." "Perfect in flavour." "Pure and well prepared."



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The Best and the Cheapest in the World at the Price.

In  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and 1-lb. Packets only, to Retail at 1/-, 1/2, 1/4, 1/6, 1/7, 1/8, 1/10, 2/-, 2/4, 2/8 per lb. Also in Handsome 1-lb., 3-lb., and 5-lb. Decorated Tins, to Retail at 1/10, 2/-, and 2/4 per lb.

Agents appointed by

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OVER 200 GOLD MEDALS AND DIPLOMAS.

**FRY'S**  
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**COCOA**

*Try also FRY'S MALTED COCOA,  
 a delicious combination of  
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 (Allen & Hanburys').*

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 STERILIZERS.**

Nos. 1, 2, and 3.

**HAWKSLEY'S  
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Descriptive Pamphlets Free by Post.

**DAILY INCREASING SALE.**

*See Diary, page 574.*

May be had through the Wholesale Trade, or direct from  
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### RETAIL PRICE.

				PER DOZEN.
6d. Packets (Two Dozen in a box)	...	...	...	5/-
9d. Tins (Two Dozen in a box)	...	...	...	7/6
1/6 Tins (One Dozen in a box)	...	...	...	15/-

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5 per cent. Discount on Orders up to £5.

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Terms—Cash within 7 days.

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## LIMIT OF CUTTING.

The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of DR. TIBBLES' VI-COCOA has been fixed as under:—

6d. Packets to be sold at not less than	5½d.
9d. Tins , , , not less , ,	8½d.
1/6 Tins , , , not less , ,	1/4½

*Full Prices to be obtained wherever possible.*

## FURTHERMORE,

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the 7½ per cent. discount we offer.

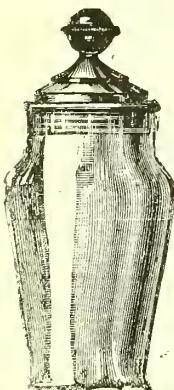
Furthermore, as we pay carriage on orders value £2 and upwards, it will not be possible to obtain the advantage of this concession, nor that of the exceptional discounts we offer, unless our ruling as to the "cutting" of price is complied with.

**Read the foregoing, send your order to**



**60, 61, and 62 BUNHILL ROW, LONDON, E.C.**

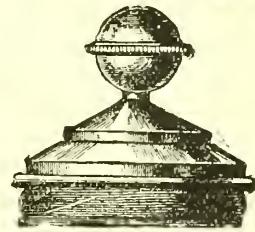
*And obtain your fair share of the profits that are daily being made by our customers everywhere.*



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A slight turn of the knob presses the indiarubber Band against the glass, and renders the vessel absolutely air-tight. The Stopper is made of pure Nickel, of handsome shape.

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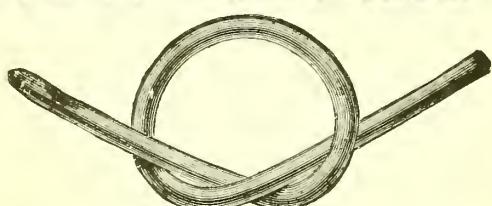
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Cylindrical .. .. .. .. ..	7 6	per dozen.
Conical .. .. .. .. ..	8 6	"
A Boule or Olive pointed .. .. .. .. ..	9 6	"
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Reputed Pints, per doz.—CORDIAL, 4/3. LEMON SQUASH, 4/3.

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Is specially prepared for use in the Sick Room. It is put up in porcelain jars and sold by Chemists and Druggists only; and it differs from ordinary Bovril in being more concentrated and quite devoid of seasoning, and is relished and retained by Invalids when ordinary food and stimulants are rejected.

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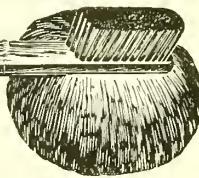
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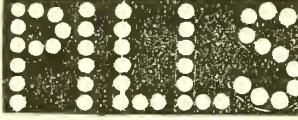
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Also S.V.R. & S.V.M.  
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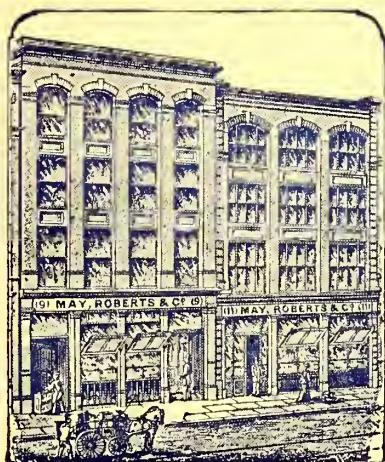
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Revised July, 1897.

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**COUNTRY ORDERS.**—Particulars on application.**LONDON ORDERS.**—Particulars on application.**EXPORT ORDERS.**—Particulars on application.**NO TRAVELLERS.**Their Expenses  
given to Buyers.**CARRIAGE PAID!**

See Terms.

**MAY, ROBERTS & CO., LONDON.**

Telegraphic Address: "FEEDING BOTTLES LONDON."

Telephone No. 6889, Holborn Exchange.

**SEIDLITZ POWDERS,**

Howards' Salt, Hand-weighed.

Boxes of 12 Powders	...	...	...	...	per dozen	5/3
Banded Powders in $\frac{1}{2}$ -gross outers	...	...	...	per gross	5/-	

**SELTZOGENE AND GAZOGENE CHARGES.**

2	3	5	8	pint.	
11/-	13/-	19/6	27/-	per doz. boxes of 10	
11/8	14/6	22/-	30/-	"	12

**ALMOND SHAVING CREAM.**

Pots with Burnt-in Labels.

6d. size	...	...	...	...	per dozen	3/4
1/- "	...	...	...	...	"	6/-

**VIOLET POWDER.**

1d. boxes (in $\frac{1}{2}$ -gross outers)	...	...	...	per gross	4/6
2d. "	"	"	"	"	7/6
6d. "	(in 1-dozen outers)	...	...	per dozen	3/6
1/- "	"	"	"	"	6/-

**GLYCERINE AND LIME CREAM,**

For the Hair.

3	4	6	8	oz. bottles.	
2/2	2/6	3/6	4/3	per dozen.	

Wood-top Corks. In outers of 1 dozen.

**ROSEMARY AND CANTHARIDINE HAIR WASH.**In showy  $\frac{1}{2}$ -pint bottles with Sprinklers.

Per dozen, 6/6.

**SEIDLITZ POWDERS.**

(Measured.)

Boxes of 12 Powders	...	...	...	...	per dozen	4/9
Banded Powders in $\frac{1}{2}$ -gross outers	...	...	...	per gross	4/6	

**CHERRY TOOTH PASTE**

AND

**ARECA NUT TOOTH PASTE.**

6d. size	...	...	...	per dozen	3/4
1/- "	...	...	...	"	6/-
Pots with Burnt-in Labels.					

**GLYCERINE AND CUCUMBER.**

2 oz.	3 oz.	4 oz.	8 oz.
2/10	3/6	4/-	7/-

(In cartons at 6d. per dozen extra.)

**FULLERS' EARTH.**

1d. boxes (in $\frac{1}{2}$ -gross outers)	...	...	per gross	4/-
2d. "	"	"	"	7/-
6d. "	(in 1-dozen outers)	...	per dozen	3/-

**CULINARY ESSENCES.**Almond, Vanilla, Lemon, Ratafia, Cochineal,  
Ginger, Peppermint.

$\frac{1}{2}$ -oz. bottles	...	...	...	per dozen	2/6
1-oz. "	...	...	...	"	4/4

**TOOTH POWDERS.**

Carbolic, Rose, Quinine, etc.

12 kinds assorted, in glass-top showcase.

Per dozen, 3/6.

**MAY, ROBERTS & CO.,** 9 and 11 Clerkenwell Road, **LONDON, E.C.**

UNDER EMINENT SCIENTIFIC CONTROL

# "APENTA"

THE BEST NATURAL APERIENT WATER.



**TRADE PRICES, per Case :**

25 Large Bottles	...	...	...	...	...	...	20/-	Carriage Paid to any Railway Station in the United Kingdom.
50 Small "	...	...	...	...	...	...	32/6	
100 Quarter "	...	...	...	...	...	...	32/6	

5 per cent. Discount upon orders for 10 Cases.

**TERMS :—Six Months' Credit from date of Invoice, Net Cash.**

The Retail Prices printed on the labels are 1/3 per large bottle, 1/- per small bottle, and 6d. per quarter bottle.

THE APOLLINARIS COMPANY, LIMITED,

4 Stratford Place, Oxford Street, London, W.

## Cadbury's Cocoa

**ABSOLUTELY PURE  
therefore BEST.**

Cadbury's is "The Typical Cocoa of English Manufacture, Absolutely Pure."—*The Analyst.*

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

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7 to 15 WHITEHORSE STREET,  
SOVEREIGN STREET AND VICTORIA ROAD,  
—LEEDS—

MANUFACTURING CHEMISTS ◆ WHOLESALE DRUGGISTS,

Drug and Spice Grinders,

Patent Medicine Dealers, Druggists' Sundriesmen, Tin Canister Makers.

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PRICE LISTS OF DRUGS, PATENT MEDICINES, AND PACKED GOODS ON APPLICATION.

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